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were produced, appear in table 6a and aggregate to \$4.4 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and electric energy used by establishments classified in the canned specialties industry amounted to \$2.7 billion. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with up to 10 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 3 percent of total value of production.

INDUSTRY 2033, CANNED FRUITS AND VEGETABLES

This industry is made up of establishments primarily engaged in canning fruits, vegetables, and fruit and vegetable juices; and in manufacturing catsup and similar tomato sauces, or natural and imitation preserves, jams, and jellies. Establishments primarily engaged in canning seafoods are classified in industry 2091 and those manufacturing canned specialties, such as baby foods and soups, except seafood, are classified in 2032.

The 1987 definition of this industry is the same as that used in the 1972/7 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1987 Census of Manufactures, Industry 2033, Canned Fruits and Vegetables, had employment of 65.6 thousand. The employment figure was 7 percent below the 70.5 thousand reported in 1982. Compared with 1986, employment decreased 3 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses. The leading States in employment in 1987 were California, Florida, New York, and Wisconsin. These same States were the leaders in 1982.

The total value of production for establishments classified in this industry was \$11.9 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry to which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 2033 shipped \$10.3 billion of canned fruits and vegetables products considered primary to the industry, \$1.2 billion of secondary products, and had \$419.1 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 the industry was 90 percent (specialization ratio). In 1982, the specialization ratio was 89 percent.

Establishments in this industry also accounted for 84 percent of products considered primary to the industry no matter where they actually were produced (coverage ratio).

In 1982, the coverage ratio was 87 percent (Reference) primary to industry 2033, no matter in Report Sect. Reference were produced, appear in table 6a and Reference billion. For further explanation of special age ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and electric energy used by establishments classified in the canned fruits and vegetables industry amounted to \$6.5 billion. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with up to 5 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 4 percent of total value of production.

INDUSTRY 2034, DEHYDRATED FRUITS, VEGETABLES, AND SOUPS

This industry is made up of establishments primarily engaged in sun-drying or artificially-dehydrating fruits and vegetables, or in manufacturing packaged soup mixes from dehydrated ingredients. Establishments primarily engaged in the grading and marketing of farm-dried fruits, such as prunes and raisins are classified in Wholesale Trade, Industry 5149.

The 1987 definition of this industry is the same as that used in the 1972/7 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1987 Census of Manufactures, Industry 2034, Dehydrated Fruits, Vegetables, and Soups, had employment of 10.1 thousand. The employment figure was 26 percent below the 13.6 thousand reported in 1982. Compared with 1986, employment decreased 17 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses. The leading States in employment in 1987 were California, Idaho, New Jersey, and Washington. This represents a shift from 1982 when California, Idaho, Illinois, and New Jersey were the leading States.

The total value of shipments for establishments classified in this industry was \$1.8 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry to which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 2034 shipped \$1.7 billion of dehydrated fruits, vegetables, and soup products considered primary to the industry, \$124.2 million of secondary products, and had \$45.5 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 the industry was 93 percent (specialization ratio). In 1982, the specialization ratio was 94 percent.

1987 Census of Manufactures
MC87-1-20C Industrial Series
Preserved Fruits + Veg.

Table 1a-1. Historical Statistics for the Industry (1987 Basis): 1987 and Earlier Years

[Industries with only 1987 data are revised for 1987. Table 1a-2 contains historical data on the old SIC basis. See table 1c-1 for composition of the new industry on the old SIC basis. Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

Year ¹	All establishments ²			All employees		Production workers			Value added by manufacture ⁴ (million dollars)	Cost of materials ⁵ (million dollars)	Value of shipments ⁶ (million dollars)	New capital expenditures ⁷ (million dollars)	End-of-year inventories ⁸ (million dollars)	Ratios	
	Companies ² (no.)	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						Specialization ⁹ (per cent)	Coverage ¹⁰ (per cent)
INDUSTRY 2032, CANNED SPECIALTIES⁹															
1987 Census	188	211	85	24.5	524.8	19.5	38.1	395.2	2 652.4	2 700.4	5 350.1	144.8	730.2	78	82
1986 ASM	(NA)	(NA)	(NA)	24.7	513.2	19.6	38.6	383.2	2 326.3	2 629.9	4 957.6	178.8	670.2	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	24.2	478.9	18.7	37.0	366.9	2 161.2	2 638.4	4 801.7	113.6	764.9	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	24.1	451.6	18.6	37.9	348.1	2 158.9	2 631.0	4 784.0	101.4	835.8	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	24.8	443.8	20.3	40.0	337.8	1 958.4	2 410.0	4 370.1	79.1	706.1	(NA)	(NA)
1982 Census	171	198	88	23.4	392.4	19.0	37.0	297.6	1 769.3	2 372.0	4 140.8	154.3	638.4	78	90
1981 ASM	(NA)	(NA)	(NA)	24.1	373.2	18.7	38.4	296.2	1 538.4	2 316.9	3 851.4	68.4	615.2	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	25.0	362.3	20.3	40.8	280.3	1 414.1	2 160.4	3 573.6	68.5	612.4	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	26.3	345.1	21.5	42.8	265.5	1 308.9	2 051.5	3 361.0	73.1	579.2	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	26.6	325.7	21.6	44.4	253.7	1 243.0	1 920.2	3 162.9	59.2	567.7	(NA)	(NA)
1977 Census	172	203	88	26.4	296.5	21.5	42.4	224.3	1 142.6	1 687.7	2 829.2	46.7	527.8	80	89
1976 ASM	(NA)	(NA)	(NA)	28.9	286.3	23.9	45.0	214.0	1 123.4	1 633.3	2 757.3	41.7	475.7	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	27.5	265.8	22.3	45.3	200.3	1 057.0	1 545.4	2 590.3	28.0	464.3	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	29.2	248.9	23.6	46.9	189.8	887.2	1 507.8	2 382.0	41.1	485.7	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	30.2	250.6	24.0	48.6	186.2	883.3	1 307.1	2 187.3	46.2	417.4	(NA)	(NA)
1972 Census	178	203	88	29.1	217.8	24.0	46.9	167.0	814.6	1 062.3	1 876.6	44.1	347.5	81	91
INDUSTRY 2033, CANNED FRUITS AND VEGETABLES⁹															
1987 Census	471	647	417	65.6	1 162.8	55.9	104.4	880.1	5 440.1	6 465.9	11 889.5	257.9	2 745.3	90	84
1986 ASM	(NA)	(NA)	(NA)	67.4	1 052.2	57.4	102.0	824.0	5 184.8	6 022.7	11 170.7	240.0	2 694.1	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	67.6	1 132.5	57.3	105.4	847.5	4 448.3	6 440.2	10 996.7	264.1	2 869.8	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	69.0	1 134.1	58.5	109.3	854.5	4 129.8	6 353.0	10 389.6	242.4	2 922.1	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	65.2	1 007.9	55.6	103.9	776.9	3 660.8	5 641.4	9 358.1	267.7	2 429.9	(NA)	(NA)
1982 Census	514	715	451	70.5	1 040.1	60.7	113.6	822.4	3 552.7	5 768.1	9 283.4	264.1	2 781.0	89	87
1981 ASM	(NA)	(NA)	(NA)	78.2	1 052.5	68.2	126.7	837.3	3 253.2	5 791.0	9 033.4	1026.8	2 872.9	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	79.8	993.9	68.3	129.0	799.9	2 745.0	5 682.4	8 413.4	243.6	2 802.1	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	82.4	939.6	71.4	135.9	761.8	2 813.6	5 338.1	8 128.3	200.4	2 536.9	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	82.7	852.1	73.1	132.7	682.5	2 816.9	4 425.1	7 238.9	206.9	2 202.7	(NA)	(NA)
1977 Census	648	900	519	82.6	789.8	72.6	135.0	636.6	2 546.1	4 135.3	6 666.5	147.1	2 233.5	90	89
1976 ASM	(NA)	(NA)	(NA)	82.2	728.1	73.3	131.3	582.7	2 342.1	3 888.9	6 217.5	155.6	2 097.4	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	83.6	707.3	74.9	141.4	570.7	2 067.7	3 943.8	5 988.6	185.8	1 925.1	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	85.4	647.7	78.9	145.2	523.0	1 853.3	3 585.7	5 430.7	164.7	1 709.4	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	88.6	595.3	78.0	146.3	476.7	1 898.9	2 765.9	4 644.0	135.4	1 286.5	(NA)	(NA)
1972 Census	765	1 038	621	89.8	559.9	78.8	147.1	447.9	1 825.1	2 414.8	4 043.8	113.1	1 197.0	89	94
INDUSTRY 2034, DEHYDRATED FRUITS, VEGETABLES, AND SOUPS¹¹															
1987 Census	109	131	68	10.1	190.6	8.4	15.4	137.7	932.3	923.8	1 819.6	48.2	516.9	93	79
1986 ASM	(NA)	(NA)	(NA)	12.2	221.9	9.9	17.4	153.5	858.7	922.4	1 818.9	104.7	498.9	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	13.2	242.8	11.0	20.2	175.0	839.9	973.5	1 788.0	106.1	529.8	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	11.9	216.4	9.7	17.8	153.1	685.6	932.6	1 686.4	105.9	463.3	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	11.0	210.0	8.8	17.3	151.5	687.0	945.4	1 646.9	44.0	545.2	(NA)	(NA)
1982 Census	119	151	85	13.6	216.9	11.2	19.1	156.2	792.3	985.0	1 745.1	51.7	554.8	94	83
1981 ASM	(NA)	(NA)	(NA)	12.3	186.0	9.8	17.9	132.5	687.4	964.3	1 591.7	54.7	423.1	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	13.5	181.2	10.8	20.5	128.9	701.4	906.1	1 518.3	46.6	416.8	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	14.0	177.6	11.6	21.1	124.4	598.2	758.0	1 311.5	44.8	315.7	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	14.4	171.6	11.8	22.0	122.7	519.4	764.9	1 278.9	54.2	293.5	(NA)	(NA)
1977 Census	143	184	87	14.4	153.9	11.7	22.1	111.5	485.9	685.3	1 142.4	52.5	281.9	94	88
1976 ASM	(NA)	(NA)	(NA)	12.5	122.1	10.5	18.8	88.2	425.6	621.9	1 048.8	47.0	268.5	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	12.9	114.0	10.8	18.7	81.8	405.8	546.1	919.5	43.7	247.5	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	12.8	99.8	10.9	19.3	72.2	417.5	538.8	923.9	38.5	212.6	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	12.2	89.2	10.2	18.5	67.0	315.9	408.0	720.5	16.8	156.7	(NA)	(NA)
1972 Census	133	178	88	12.4	84.3	10.6	19.8	63.0	235.7	351.7	607.3	18.9	140.4	95	88
INDUSTRY 2035, PICKLES, SAUCES, AND SALAD DRESSINGS⁹															
1987 Census	349	382	162	21.5	451.8	16.6	32.6	310.0	2 544.8	2 506.8	5 050.3	221.0	566.9	78	86
1986 ASM	(NA)	(NA)	(NA)	23.1	471.3	18.1	34.5	328.0	2 473.2	2 884.1	5 353.2	147.0	710.0	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	22.9	439.3	18.1	34.2	306.4	2 115.6	2 998.0	5 123.2	129.5	606.3	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	22.6	416.9	17.9	34.3	289.5	1 894.2	2 995.5	4 896.3	96.4	626.9	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	22.2	383.6	17.3	33.3	269.7	2 039.6	2 672.5	4 698.4	61.8	588.4	(NA)	(NA)
1982 Census	325	376	155	22.0	371.5	17.4	33.3	260.8	1 736.9	2 532.7	4 268.8	67.5	582.5	88	83
1981 ASM	(NA)	(NA)	(NA)	23.5	350.0	19.4	37.2	247.3	1 437.9	2 452.4	3 889.9	63.2	540.7	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	24.8	344.6	20.7	38.8	249.6	1 384.9	2 511.3	3 906.2	68.7	576.1	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	25.1	318.5	20.8	39.3	231.9	1 302.9	2 326.5	3 630.9	73.6	541.8	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	25.6	291.8	20.6	39.1	216.8	1 243.1	2 104.1	3 342.2	107.5	526.3	(NA)	(NA)
1977 Census	380	438	168	23.5	250.2	18.9	35.7	184.9	986.5	2 003.8	2 996.5	52.3	447.8	89	86
1976 ASM	(NA)	(NA)	(NA)	19.3	180.2	15.8	30.2	129.3	586.0	1 068.7	1 654.4	36.6	278.1	(NA)	(NA)
1975 ASM	(NA)	(NA)	(NA)	19.2	166.5	15.8	30.5	118.3	558.7	1 168.8	1 720.8	36.8	278.7	(NA)	(NA)
1974 ASM	(NA)	(NA)	(NA)	19.3	160.1	16.1	31.6	110.5	470.4	1 118.0	1 586.7	39.5	256.2	(NA)	(NA)
1973 ASM	(NA)	(NA)	(NA)	19.6	144.5	15.8	29.9	100.0	448.9	781.0	1 228.7	24.3	213.2	(NA)	(NA)
1972 Census	429	495	191	20.8	146.2	16.6	32.4	102.2	428.0	738.7	1 166.7	43.4	210.5	90	78
INDUSTRY 2037, FROZEN FRUITS AND VEGETABLES⁹															
1987 Census	194	258	193	49.8	786.8	42.8	78.4	591.4	2 986.8	3 669.5	6 806.2	175.2	1 414.5	91	83
1986 ASM	(NA)	(NA)	(NA)	46.4	701.0	40.1	70.7	526.7	2 648.6	3 218.6	5 985.7	196.4	1 331.2	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	46.1	698.6	40.2	73.3	538.6	2 355.1	3 435.3	5 802.5	213.5	1 338.5	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	46.9	683.4	41.2	76.4	540.1	2 555.7	3 470.8	5 968.9	189.8	1 313.6	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	47.3	681.2	40.9	74.4	519.4	2 393.4	3 185.7	5 560.8	176.3	1 236.9	(NA)	(NA)
1982 Census	195	264	199	47.7	643.5	41.5	77.1	506.7	2 408.6	2 970.1	5 374.6	235.7	1 144.4	93	83
1981 ASM	(NA)	(NA)	(NA)	48.8	569.3	42.7	84.6	449.4	1 989.9	2 817.9	4 780.2	132.3	1 003.0	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	48.0	534.7	41.2	82.0	419.6	1 689.2	2 464.5	4 180.9	145.8	949.0	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	51.9	525.2	45.7	83.5	423.6	1 531.6	2 441.3	3 959.1	118.2	938.4	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	46.4	477.0	41.2	81.4	384.1	1 519.0	2 472.6	3 961.4	130.5	844.3	(NA)	(NA)

See footnotes at end of table.

Table 2. Industry Statistics for Selected States: 1987 and 1982—Con.

[Excludes data for auxiliaries. States with 150 employees or more are shown. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry and geographic area	1987											1982		
	All establishments		All employees		Production workers			Value added by manufacture ² (million dollars)	Cost of materials (million dollars)	Value of shipments ² (million dollars)	New capital expenditures (million dollars)	All employees ² (1,000)	Value added by manufacture ² (million dollars)	
	E ¹	Total (no.)	With 20 employees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)							Wages (million dollars)
INDUSTRY 2038, FROZEN SPECIALTIES, N.E.C.														
United States		285	181	37.5	668.3	30.1	58.6	461.2	2 803.0	2 845.8	5 617.0	178.1	(NA)	(NA)
Arkansas		4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
California		39	26	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Connecticut		8	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Florida	E2	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Georgia		3	3	.8	14.4	.7	1.3	12.5	98.3	86.1	164.4	3.7	(NA)	(NA)
Illinois	E1	26	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Indiana		5	4	.7	13.4	.6	1.1	9.5	58.6	(D)	(D)	(D)	(NA)	(NA)
Iowa		4	3	CC	(D)	(D)	(D)	(D)	(D)	80.5	119.0	(D)	(NA)	(NA)
Kansas		2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Maryland		3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Massachusetts	E5	10	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Minnesota		15	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Missouri		8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Nebraska		1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
New Jersey		15	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
New York		25	14	2.8	59.0	1.7	3.5	26.0	253.4	159.8	379.8	10.2	(NA)	(NA)
North Carolina		2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Ohio		9	7	3.7	66.8	2.7	5.1	49.5	333.4	308.6	643.4	18.3	(NA)	(NA)
Oklahoma		4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Oregon	E1	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Pennsylvania		21	17	2.5	35.4	2.1	3.7	25.8	152.8	140.4	293.0	10.0	(NA)	(NA)
South Carolina		3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Tennessee		6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Texas		17	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Utah		5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Virginia		4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Wisconsin		13	6	1.2	24.6	.9	1.6	14.2	127.6	84.7	212.3	(D)	(NA)	(NA)

Note: For qualifications of data, see footnotes on table 1a.

¹Payroll and sales data for some small single-unit 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 the items shown 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 for those States where estimated value of shipments data based on administrative-record data account for 10 percent or more of figure shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 percent or more.

²Statistics for some producing States have been withheld to avoid disclosing data for individual companies. However, for States with 150 employees or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: AA—150 to 249 employees; BB—250 to 499 employees; CC—500 to 999 employees; EE—1,000 to 2,499 employees; FF—2,500 employees or more.

³See footnote 9, table 1a.

Table 3a. Summary Statistics for the Industry: 1987

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

Item	Canned specialties (SIC 2032)	Canned fruits and vegetables (SIC 2033)	Dehydrated fruits, vegetables, and soups (SIC 2034)	Pickles, sauces, and salad dressings (SIC 2035)	Frozen fruits and vegetables (SIC 2037)	Frozen specialties, n.e.c. (SIC 2038)
Companies	188	471	109	349	194	247
All establishments	211	647	131	382	258	285
With 1 to 19 employees	125	230	63	220	65	104
With 20 to 99 employees	38	217	37	101	77	92
With 100 employees or more	48	200	31	61	116	89
Employment and labor costs:						
Employees	1,000	24.5	65.6	10.1	21.5	49.8
Compensation, total	mil dol	654.4	1 488.5	245.4	558.1	990.8
Annual payroll	do	524.8	1 162.8	190.6	451.8	788.8
Fringe benefits	do	129.6	325.7	54.8	106.3	213.0
Social Security and other legally required payments	do	55.4	152.8	22.9	48.7	107.0
Employer payments and other programs	do	74.2	172.9	31.9	57.8	106.0
Production workers:						
Average for year	1,000	19.5	55.9	8.4	16.6	42.8
March	do	18.8	37.7	7.7	14.4	39.9
May	do	18.6	39.8	8.0	15.1	42.8
August	do	20.8	100.1	8.9	21.2	45.8
November	do	19.7	45.5	9.0	15.8	42.4
Hours	millions	38.1	104.4	15.4	32.6	78.4
January to March	do	9.2	17.3	3.4	6.8	16.7
April to June	do	8.6	19.3	3.6	7.9	19.8
July to September	do	10.1	44.7	4.2	10.4	21.3
October to December	do	10.2	23.0	4.2	7.5	20.6
Wages	mil dol	395.2	880.1	137.7	310.0	591.4
Value added by manufacture	do	² 652.4	³ 440.1	832.3	² 544.8	² 966.8

See footnotes at end of table.

5b. **Industry-Product Analysis—Value of Production and Primary Product Production and Specialization and Coverage Ratios for the Industry: 1987 and Earlier Census Years**

Establishment is assigned to an industry based on shipment values of products representing largest amount considered primary to an industry. Frequently, establishment shipments comprise products assigned to an industry (primary), those considered primary to other industries (secondary), and receipts for activities such as merchandising or contract work. Columns A-D show this product pattern for an industry, and column E shows primary product specialization ratio. The extent to which an industry's primary products are shipped by establishments classified in and out of an industry is shown in columns F-H and coverage ratio is shown in column I. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.

Industry and census year	Value of shipments ¹					Value of primary product shipments				
	Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio col. B÷col. B+C (percent)	Total made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio col. B÷col. F (percent)	
	A	B	C	D	E	F	G	H	I	
2032 Canned specialties ¹	1987	5 350.1	4 079.3	1 185.3	105.4	78	4 444.1	4 079.3	364.8	92
	1982	4 140.8	3 149.8	887.4	123.7	78	3 484.6	3 149.8	334.8	90
	1977	2 829.2	2 173.7	548.8	106.7	80	2 429.0	2 173.7	255.3	89
2033 Canned fruits and vegetables ¹	1987	11 889.5	10 318.7	1 151.7	419.1	90	12 244.4	10 318.7	1 925.8	84
	1982	9 283.4	8 010.3	1 036.2	236.9	89	9 255.3	8 010.3	1 245.1	87
	1977	6 686.5	5 886.3	623.3	156.9	90	6 621.4	5 886.3	735.1	89
2034 Dehydrated fruits, vegetables, and soups	1987	1 819.6	1 650.0	124.2	45.5	93	2 076.9	1 650.0	427.0	79
	1982	1 745.1	1 623.7	95.1	28.2	94	1 749.2	1 623.7	125.5	93
	1977	1 142.4	1 056.6	65.0	20.6	94	1 200.2	1 056.6	143.4	88
2035 Pickles, sauces, and salad dressings ¹	1987	5 050.3	3 838.4	1 068.0	143.9	78	4 479.3	3 838.4	640.9	86
	1982	4 268.8	2 708.9	1 284.4	275.5	68	3 252.7	2 708.9	543.7	83
	1977	2 996.5	1 921.7	875.2	199.6	69	2 242.8	1 921.7	321.1	86
2037 Frozen fruits and vegetables ¹	1987	6 808.2	5 831.0	564.6	210.6	91	6 253.7	5 831.0	422.6	93
	1982	5 374.8	4 705.3	339.2	330.0	93	5 062.0	4 705.3	356.7	93
	1977	3 287.5	2 723.7	342.5	231.3	89	3 047.2	2 723.7	323.5	89
2038 Frozen specialties, n.e.c. ¹	1987	5 617.0	4 904.6	361.3	351.2	93	5 244.5	4 904.6	339.9	94

¹See footnote 9, table 1a.

Table 6a. Product and Product Classes—Quantity and Value of Production by All Producers: 1987 and 1982

[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). For comparability of product classes and product codes between 1982 and 1987, see appendixes. For meaning of abbreviations and symbols, see introductory text.]

1987 product code	Product	1987			1982		
		Number of companies with production of \$100,000 or more	Total production ¹		Number of companies with production of \$100,000 or more	Total production ¹	
			Quantity ²	Value (million dollars)		Quantity ²	Value (million dollars)
2032--	CANNED SPECIALTIES						
	Total	(NA)	(X)	4 444.1	(NA)	(X)	3 484.6
20321 --	Canned baby foods, except cereal and biscuits	(NA)	(X)	852.0	(NA)	(X)	598.4
20321 11	Fruits mil lb.	2	(D)	(D)	3	(D)	(D)
20321 21	Meats do.	2	(D)	(D)	3	(D)	(D)
20321 31	Vegetables do.	2	(D)	(D)	3	150.1	68.5
20321 51	Desserts (excluding 100 percent fruit products) do.	2	(D)	(D)	3	151.4	65.8
20321 71	Juices do.	6	(X)	(D)	3	(X)	115.8
20321 98	Other canned baby foods, except cereal and biscuits, but including vegetable and vegetable-meat soups, etc. mil lb.	4	140.9	110.0	4	225.6	102.8
20321 00	Canned baby foods, n.s.k.	-	(X)	-	-	(X)	-
20322 --	Canned soups, except frozen or seafood:						
20322 00	Canned soups, except frozen or seafood	19	(X)	(?)	24	(X)	(?)
20323 --	Canned dry beans	(NA)	(X)	895.3	(NA)	(X)	735.3
20323 70	Beans with pork, including baked: 7.1 oz to 13 oz (8 oz short, 8 oz tall, No. 1 picnic, etc.)...1,000 cases/48	8	14 244.3	118.2	6	1 700.0	21.1
20323 73	13.1 oz to 18 oz (No. 300, No. 303, etc.)...1,000 cases/24	21	20 106.8	225.0	26	25 600.0	195.2
20323 74	18.1 oz to 22 oz (No. 2, etc.) do.	7	2 413.8	26.4	7	3 000.0	32.3
20323 75	22.1 oz to 27 oz (jumbo, etc.) do.	3	401.3	4.7	5	200.0	2.3
20323 76	27.1 oz to 40 oz (No. 2-1/2 quart glass, etc.) do.	14	3 953.9	56.9	14	3 700.0	54.4
20323 79	Other sizes do.	17	(X)	65.7	17	(X)	77.1
20323 82	Beans with sauce, vegetarian style, including baked: 13.1 oz to 18 oz (No. 300, No. 303, etc.)...1,000 cases/24	14	3 963.8	34.9	14	3 800.0	31.4
20323 84	Other sizes do.	16	(X)	45.1	11	(X)	39.2
20323 86	Beans, all other dry varieties, including chili con carne containing less than 20 percent meat: 13.1 oz to 18 oz (No. 300, No. 303, etc.)...1,000 cases/24	25	22 199.7	186.3	31	19 300.0	160.8
20323 91	Other sizes do.	22	(X)	128.1	29	(X)	115.5
20323 00	Canned dry beans, n.s.k.	(NA)	(X)	3.9	(NA)	(X)	6.0

See footnotes at end of table.

Table 6a. Product and Product Classes—Quantity and Value of Production by All Producers: 1987 and 1982—Con.

[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). For comparability of product classes and product codes between 1982 and 1987, see appendixes. For meaning of abbreviations and symbols, see introductory text.]

1987 product code	Product	1987			1982		
		Number of companies with production of \$100,000 or more	Total production ¹		Number of companies with production of \$100,000 or more	Total production ¹	
			Quantity ²	Value (million dollars)		Quantity ²	Value (million dollars)
2032--	CANNED SPECIALTIES—Con.						
20324 --	Other canned specialties and canned nationality foods	(NA)	(X)	\$2 751.8	(NA)	(X)	\$2 035.0
20324 61	Spaghetti with meat	7	(X)	(D)	6	(X)	(D)
20324 62	Spaghetti without meat	9	(X)	(D)	11	(X)	(D)
20324 68	Chinese foods (bean sprouts, chop suey, etc.)	5	(X)	(D)	5	(X)	(D)
20324 91	Minced meat	5	(X)	(D)	5	(X)	(D)
20324 93	Spanish foods (Mexican rice, tortillas, enchiladas, etc.) mil lb.	5	8.0	8.5	6	7.4	8.5
20324 94	Ravioli	16	(X)	116.7	20	(X)	114.4
20324 96	Macaroni with or without meat	6	(X)	90.0	5	(X)	112.1
20324 97	Canned gravy	7	(X)	(D)	5	(X)	(D)
20324 99	Other canned specialties, including canned puddings (other than canned meats)	4	(X)	(D)			
20324 00	Other canned specialties and nationality foods, n.s.k.	25	(X)	309.8	32	(X)	326.0
20320 --	Canned specialties, n.s.k.	(NA)	(X)	2.4	(NA)	(X)	7.8
20320 00	Canned specialties, n.s.k., typically for establishments with 10 employees or more (see note)	(NA)	(X)	145.0	(NA)	(X)	117.9
20320 02	Canned specialties, n.s.k., typically for establishments with less than 10 employees (see note)	(NA)	(X)	58.5	(NA)	(X)	69.6
		(NA)	(X)	66.5	(NA)	(X)	48.3
2033--	CANNED FRUITS AND VEGETABLES						
	Total	(NA)	(X)	12 244.4	(NA)	(X)	9 255.3
20331 --	Canned fruits (except baby foods)	(NA)	(X)	2 084.5	(NA)	(X)	1 590.6
20331 12	Apples						
	1,000 cases (basis 24/2 1/2 s)						
20331 13	Applesauce	14	2 953.3	40.3	13	(NA)	40.9
20331 15	Apricots	18	19 751.1	238.8	25	(NA)	209.5
20331 18	Berries, except cranberries	6	1 321.4	26.3	7	(NA)	37.7
20331 22	Cherries, red pitted	5	(D)	(D)	6	(NA)	(D)
	do	9	562.7	10.1	15	(NA)	21.1
20331 24	Cherries, sweet						
20331 28	Cranberries and cranberry sauce	12	1 468.5	28.1	13	(NA)	15.8
20331 31	Grapefruit segments	4	9 837.6	106.5	7	(NA)	57.0
20331 32	Fruit cocktail	3	(D)	(D)	4	(NA)	(D)
20331 34	Fruits for salads, including mixed fruits other than fruit cocktail	7	15 466.2	277.6	7	(NA)	204.7
20331 36	Olives, ripe and green ripe, including stuffed (drained net weight)	8	3 682.7	79.7	8	(NA)	28.9
20331 39	Peaches, including spiced	10	11 326.0	280.2	11	(NA)	189.6
20331 41	Pears, including spiced	12	23 413.9	368.5	11	(NA)	274.8
20331 57	Pineapple (all styles)	8	11 756.0	185.1	12	(NA)	134.1
20331 61	Canned fruit pie mixes:	6	(D)	(D)	3	(NA)	125.9
	Apple						
	1,000 cases (basis 24/2 1/2 s)						
20331 63	Cherry	11	1 344.6	28.4	10	(NA)	34.9
20331 65	Peach	9	2 731.2	62.4	10	(NA)	81.0
20331 69	Other fruit pie mixes	6	219.7	6.0	7	(NA)	10.3
20331 97	Other canned fruit	13	1 480.5	40.2	16	(NA)	51.8
20331 00	Canned fruits (except baby foods), n.s.k.	22	2 336.5	45.5	20	(NA)	26.1
20332 --	Canned vegetables (except hominy and mushrooms)	(NA)	(X)	15.1	(NA)	(X)	13.0
20332 03	Beans, green lima						
	1,000 cases (basis 24/303 s)						
20332 05	Beans, green and wax (including blue lake)	8	3 613.7	28.9	12	(NA)	18.3
20332 15	Carrots	28	49 727.9	358.2	(NA)	(NA)	344.3
20332 35	Vegetable combinations (mixed vegetables, succotash, carrots and peas, vegetable salad, etc.)	14	4 652.5	35.0	18	(NA)	36.1
20332 37	Green peas	18	9 789.1	85.1	18	(NA)	77.2
	do	19	26 807.9	238.5	30	(NA)	187.4
20332 39	Other peas (blackeye, crowder, purple hull, field, etc.)						
20332 53	Pumpkin and squash, including pie mix	4	1 576.6	14.0	8	(NA)	12.6
20332 55	Spinach	8	2 535.2	36.1	9	(NA)	32.2
20332 58	Other leafy greens (turnip, kale, mustard, etc.)	7	5 162.4	43.5	11	(NA)	46.2
20332 73	Pimientos	3	(D)	(D)	4	(NA)	(D)
	do	3	(D)	(D)	5	(NA)	(D)
20332 74	Sweet potatoes, including pie mix						
20332 75	White potatoes	11	6 353.9	65.5	13	(NA)	70.1
20332 76	Sauerkraut	16	6 141.8	46.5	22	(NA)	52.8
20332 91	Asparagus	10	6 552.7	50.3	14	(NA)	38.0
20332 93	Beets	13	3 983.2	80.2	12	(NA)	48.2
	do	11	10 050.3	71.8	16	(NA)	69.2
20332 94	Sweet corn, whole kernel	20	56 287.4	437.5	28	(NA)	372.2
20332 95	Sweet corn, cream style	15	12 744.0	101.2	24	(NA)	96.3
20332 97	Tomatoes, including stewed	37	45 490.3	427.6	42	(NA)	356.3
20332 99	Other canned vegetables	27	8 299.0	114.1	40	(NA)	123.7
20332 00	Canned vegetables (except hominy and mushrooms), n.s.k.	(NA)	(X)	32.2	(NA)	(X)	22.2
20333 --	Canned hominy and mushrooms	(NA)	(X)	165.5	(NA)	(X)	139.0
20333 15	Hominy						
	1,000 cases (basis 24/303 s)						
20333 21	Mushrooms	8	6 812.0	50.9	7	(NA)	10.3
20333 00	Canned hominy and mushrooms, n.s.k.	12	4 305.8	114.3	13	(NA)	128.3
20335 --	Canned vegetable juices	(NA)	(X)	.4	(NA)	(X)	.5
20335 15	Tomato juice, including combinations containing 70 percent tomato juice or more	(NA)	(X)	310.3	(NA)	(X)	270.3
20335 98	Other vegetable juices	25	97.8	296.5	37	(NA)	265.8
20335 00	Canned vegetable juices, n.s.k.	6	2.0	7.4	9	(NA)	3.8
	do	(NA)	(X)	6.5	(NA)	(X)	.7

See footnotes at end of table.

Table 6a. Product and Product Classes—Quantity and Value of Production by All Producers: 1987 and 1982—Con.

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). For comparability of product classes and product codes between 1982 and 1987, see appendixes. For meaning of abbreviations and symbols, see introductory text.

1987 product code	Product	1987			1982		
		Number of companies with production of \$100,000 or more	Total production ¹		Number of companies with production of \$100,000 or more	Total production ¹	
			Quantity ²	Value (million dollars)		Quantity ²	Value (million dollars)
2033-	CANNED FRUITS AND VEGETABLES—Con.						
20338	Catsup and other tomato sauces, pastes, etc.	(NA)	(X)	3 024.4	(NA)	(X)	2 174.4
20338 14	Tomato sauces, except catsup, chili, barbecue sauce, and spaghetti sauce (excluding pulp, puree, or paste): 7.1 oz to 10 oz (8 oz tall, etc.)	13		15 025.3	19	14 970.9	*193.4
20338 15	Other sizes	28		63 660.3	35	(NA)	*610.2
20338 22	Catsup: 14 oz to 32 oz	13		31 082.9	18	35 268.0	321.8
20338 23	All other sizes, including individual serving sizes	29		44 951.8	34	(NA)	247.6
20338 31	Spaghetti, pizza, and marinara sauces, with or without other added ingredients, including those with less than 20 percent meat	28		78 909.4	(5)	(5)	(5)
20338 51	Chili sauce	22		13 286.3	25	(NA)	44.5
20338 55	Barbecue sauce	25		26 531.6	22	(NA)	149.5
20338 61	Tomato paste: 4.1 oz to 7 oz (6 oz, etc.)	5	(D)	(D)	7	7 423.1	81.1
20338 63	100.1 oz to 115 oz (No. 10)	8	(D)	(D)	10	1 774.9	28.9
20338 65	All other sizes, including bulk (24 percent NTSS equivalent)	18		1 268.4	16	*914.3	362.6
20338 91	Tomato pulp and puree	19		15 595.6	25	(NA)	120.9
20338 00	Catsup and other tomato sauces, pastes, etc., n.s.k.	(NA)	(X)	11.6	(NA)	(X)	14.1
20338	Jams, jellies, and preserves	(NA)	(X)	664.1	(NA)	(X)	603.0
20338 11	Jams and preserves, pure: Strawberry	23		223.5	28	(NA)	136.5
20338 15	Other	28		231.4	33	(NA)	167.4
20338 21	Jellies, pure: Grape	20		180.3	28	(NA)	136.3
20338 25	Other	24		84.6	32	(NA)	74.1
20338 31	Imitation jellies, jams, and preserves	8		58.2	6	(NA)	(D)
20338 41	Marmalades	8		18.9	11	(NA)	(D)
20338 51	Fruit butter	8		36.7	9	(NA)	12.1
20338 81	Maraschino cherries, excluding glace and candied	8		10.6	6	(S)	31.4
20338 00	Jams, jellies, and preserves, n.s.k.	(NA)	(X)	6.8	(NA)	(X)	10.8
2033A	Canned fruit juices, nectars, and concentrates	(NA)	(X)	2 343.9	(NA)	(X)	1 409.9
2033A 11	Juices and nectars, single strength:						
2033A 25	Apple	34		151.4	40	(NA)	317.4
2033A 31	Orange	32		374.5	31	(NA)	520.1
2033A 41	Grapefruit	26		67.1	26	(NA)	175.7
2033A 78	Prune	9		6.8	(NA)	(NA)	23.4
2033A 93	Other whole fruit juices and mixtures of whole fruit juices	41		118.0	(NA)	(NA)	289.8
2033A 94	Nectars	5		3.4	6	(NA)	13.1
2033A 00	Fruit juices, concentrated, hot pack	15		48.3	9	9.9	40.4
2033A 00	Canned fruit juices, nectars, and concentrates, n.s.k.	(NA)	(X)	18.3	(NA)	(X)	30.0
2033B	Fresh fruit juices and nectars, single strength	(NA)	(X)	951.4	(NA)	(NA)	652.2
2033B 12	Juices and nectars, single strength: Orange	124		223.3			
2033B 19	Other	66		122.2			
2033B 21	Concentrated fruit juice, except for fountain use	19		29.3	(NA)	(NA)	652.2
2033B 00	Fresh fruit juices and nectars, single strength, n.s.k.	(NA)	(X)	84.5			
20330	Canned fruits and vegetables, n.s.k.	(NA)	(X)	402.3	(NA)	(X)	368.7
20330 00	Canned fruits and vegetables, preserves, jams, jellies, and juices, n.s.k., typically for establishments with 5 employees or more (see note)	(NA)	(X)	272.6	(NA)	(X)	262.7
20330 02	Canned fruits and vegetables, preserves, jams, jellies, and juices, n.s.k., typically for establishments with less than 5 employees (see note)	(NA)	(X)	129.8	(NA)	(NA)	106.0

See footnotes at end of table.

Table 6a. Product and Product Classes—Quantity and Value of Production by All Producers: 1987 and 1982—Con.

[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). For comparability of product classes and product codes between 1982 and 1987, see appendixes. For meaning of abbreviations and symbols, see introductory text]

1987 product code	Product	1987				1982		
		Number of companies with production of \$100,000 or more	Total production ¹		Number of companies with production of \$100,000 or more	Total production ¹		
			Quantity ²	Value (million dollars)		Quantity ²	Value (million dollars)	
2038--	FROZEN SPECIALTIES, N.E.C.—Con.							
20384 --	Other frozen specialties, n.e.c.							
20384 51	Whipped topping (dairy product substitute, dairy or nondairy base)..... mil lb.	(NA)	(X)	972.4	(NA)	(X)	624.3	
20384 59	Other frozen dairy product substitutes, except meliorine and similar products..... mil lb.	7		341.1			190.6	
20384 63	Frozen waffles, pancakes, and french toast..... mil lb.	4	(X)	7.1	10		77.5	
20384 69	Other frozen specialties, except seafood, including soups, etc..... do.	9		200.2	9	(X)	77.5	
20384 00	Other frozen specialties, n.s.k.	43		420.1	(NA)	(¹)	(¹)	
20380 --	Frozen specialties, n.e.c., n.s.k.	(NA)	(X)	507.7	44	*562.8	355.8	
20380 00	Frozen specialties n.e.c., n.s.k., typically for establishments with 20 employees or more (see note)	(NA)	(X)	176.2	(NA)	(X)	.4	
20380 02	Frozen specialties n.e.c., n.s.k., typically for establishments with less than 20 employees (see note)	(NA)	(X)	110.7	(NA)	(X)	143.8	
			(X)	65.6	(NA)	(X)	63.9	

Note: In 1987 Census of Manufactures, data for establishments of small single unit companies with up to 20 employees were estimated from administrative-record data rather than data actually collected from respondents. Employment cutoffs used for administrative records for each industry and shipments figures are included in code ending with "002". In both 1987 and 1982 Censuses of Manufactures, products not completely identified on standard forms were coded in appropriate product class (five-digit) followed by "00" or to appropriate product group code (four-digit) followed by "000".

¹Data reported by all producers, not just those with shipments of \$100,000 or more.
²For some establishments, data have been estimated from central unit values which 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: * 10 to 19 percent estimated; ** 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).
³Data for codes 20322 00 and 20324 -- were combined to avoid disclosing data for individual companies.
⁴For 1982, "cases" were not defined by size or number per case. Therefore, 1982 quantities are not comparable to 1987.
⁵For 1982, data for product code 20336 31 was included with product codes 20336 14 and 20336 15.
⁶Data for dried and dehydrated potatoes with other ingredients were moved to product class 20997 for 1987.
⁷For 1987, frozen bakery products, except bread, were moved to new industry 2053, and frozen doughs and batters were moved to industry group 204.
⁸For 1987, data for product code 20382 28 was included with product code 20382 35.

Table 6b. Product Classes—Value of Production by All Producers for Specified States: 1987 and 1982

[Million dollars. 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 type" 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 1987. For meaning of abbreviations and symbols, see introductory text. For comparability of product classes and product codes between 1982 and 1987 and explanation of terms, see appendixes]

Product class and geographic area	1987 value of product shipments	1982 value of product shipments	Product class and geographic area	1987 value of product shipments	1982 value of product shipments
20321, CANNED BABY FOODS, EXCEPT CEREAL AND BISCUITS¹			20331, CANNED FRUITS¹		
United States	652.0	596.4	United States	2 084.5	1 590.6
California	28.3	(NA)	California		
20322, CANNED SOUPS, EXCEPT FROZEN OR SEAFOOD¹			Florida	1 086.6	793.0
United States	(²)	(²)	Massachusetts	32.5	25.9
20323, CANNED DRY BEANS¹			Michigan	38.7	(NA)
United States	895.3	735.3	New Jersey	94.3	93.1
California	89.3	84.4	New York	65.8	52.5
Indiana	118.7	89.1	Oregon	125.2	111.5
New York	13.6	(NA)	Washington	55.1	38.4
Pennsylvania	72.1	64.6	Wisconsin	143.5	101.6
Texas	144.7	96.7	20332, CANNED VEGETABLES¹	45.9	22.0
20324, OTHER CANNED SPECIALTIES AND CANNED NATIONALITY FOODS¹			United States	2 297.8	2 047.2
United States	*2 751.8	*2 035.0	California	389.7	365.8
California	382.3	287.5	Illinois	115.5	123.8
Illinois	185.3	110.6	Indiana	35.2	20.9
New Jersey	300.4	210.2	Louisiana	46.1	44.3
Texas	434.9	377.3	Michigan	47.1	31.1
			Minnesota	336.7	230.6
			New York	112.7	121.4
			North Carolina	30.3	(NA)
			Ohio	30.9	23.2
			Oregon	89.5	60.4
			Tennessee	27.4	23.2
			Texas	68.6	78.0
			Virginia	12.5	11.9
			Washington	83.6	96.0
			Wisconsin	605.9	510.7

Table 6b. Product Classes—Value of Production by All Producers for Specified States: 1987 and 1982—Con.

[Million dollars. 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 type" 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 1987. For meaning of abbreviations and symbols, see introductory text. For comparability of product classes and product codes between 1982 and 1987 and explanation of terms, see appendixes]

Product class and geographic area	1987 value of product shipments	1982 value of product shipments	Product class and geographic area	1987 value of product shipments	1982 value of product shipments
20384, OTHER FROZEN SPECIALTIES, N.E.C.¹			20384, OTHER FROZEN SPECIALTIES, N.E.C.¹		
United States	972.4	624.3	—Con.		
California	95.8	(NA)	Minnesota	83.4	(NA)
Georgia	71.6	(NA)	New Jersey	27.0	(NA)
Illinois	57.9	(NA)	Ohio	12.6	(NA)
			Virginia	20.7	(NA)

¹Data relate to value of production rather than value of shipments.

²Data for product class codes 20322 and 20324 were combined to avoid disclosing data for individual companies.

Table 6c. Historical Statistics for Product Classes—Value Produced by All Producers: 1987 and Earlier Years

[Million dollars. For meaning of abbreviations and symbols, see introductory text. For comparability of product classes and product codes between 1982 and 1987 and explanation of terms, see appendixes]

1987 product code	Product class	1987	1986 ¹	1985 ¹	1984 ¹	1983 ¹	1982	1977	1972
2032-	Canned specialties	4 444.1	3 982.0	3 745.3	3 771.8	3 548.8	3 484.8	2 429.0	1 629.9
20321	Canned baby foods, except cereal and biscuits	852.0	481.1	566.9	590.9	612.0	596.4	401.3	348.7
20322	Canned soups, except frozen or seafood	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
20323	Canned dry beans	895.3	789.9	744.6	707.6	706.3	735.3	556.5	305.8
20324	Other canned specialties and canned nationality foods	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20320	Canned specialties, n.s.k.	145.0	134.9	156.4	165.0	135.5	117.8	(NA)	(NA)
2033-	Canned fruits and vegetables	12 244.4	11 208.1	10 928.0	10 636.2	9 481.1	9 255.3	6 621.4	3 922.9
20331	Canned fruits	2 084.5	1 752.4	1 783.4	1 855.9	1 557.4	1 590.6	1 289.3	828.6
20332	Canned vegetables	2 297.8	2 107.3	2 110.3	2 096.8	1 944.3	2 047.2	1 650.9	1 067.1
20333	Canned hominy and mushrooms	165.5	173.8	198.1	166.1	151.3	139.0	149.8	98.2
20335	Canned vegetable juices	310.3	301.3	294.8	323.0	276.8	270.3	251.8	165.7
20336	Catsup and other tomato sauces, pastes, etc.	3 024.4	3 171.3	2 825.1	2 675.3	2 387.6	2 174.4	1 350.0	603.3
20338	Jams, jellies, and preserves	864.1	822.3	636.5	608.9	601.1	603.0	396.9	260.3
20338	Canned fruit juices, nectars, and concentrates	2 343.9	1 905.0	1 856.4	1 702.6	1 528.3	1 409.9	1 223.4	709.2
2033A	Fresh fruit juices and nectars, single strength	951.4	909.4	888.8	804.3	683.9	652.2	309.4	180.5
2033B	Canned fruits and vegetables, n.s.k.	402.3	365.5	354.5	403.3	350.4	366.7		
2034-	Dehydrated fruits, vegetables, and soups²	2 078.9	(NA)	(NA)	(NA)	(NA)	1 748.2	(NA)	(NA)
20342	Soup mixes, dried	461.2	461.6	422.1	402.7	332.1	332.8	224.7	128.7
20343	Dried and dehydrated fruits and vegetables ²	1 542.1	(NA)	(NA)	(NA)	(NA)	1 247.3	(NA)	(NA)
20340	Dehydrated fruits, vegetables, and soups, n.s.k.	73.6	77.3	76.7	78.9	94.2	91.9	76.9	32.7
2035-	Pickles, sauces, and salad dressings	4 479.3	4 181.4	3 929.7	3 892.3	3 519.9	3 252.7	2 242.8	1 185.1
20352	Pickles and other pickled products	1 000.2	929.2	853.8	796.3	862.1	894.5	553.2	362.5
20353	Prepared sauces (except tomato)	903.9	645.8	539.2	584.3	521.7	540.0	261.8	151.3
20354	Mayonnaise, salad dressings, and sandwich spreads	2 271.5	2 282.9	2 282.7	2 064.2	1 911.8	1 815.4	1 292.3	576.0
20350	Pickles, sauces, and salad dressings, n.s.k.	303.7	343.5	273.9	247.4	224.3	202.7	135.7	75.3
2037-	Frozen fruits and vegetables	6 253.7	5 706.3	5 718.5	5 727.3	5 328.1	5 062.0	3 047.2	1 648.7
20371	Frozen fruits, juices, ades, drinks, and cocktails	2 481.6	2 230.2	2 270.1	2 298.4	2 184.0	1 880.4	1 153.5	733.6
20372	Frozen vegetables	3 645.3	3 345.8	3 287.3	3 281.1	2 997.8	3 089.7	1 797.9	915.1
20370	Frozen fruits and vegetables, n.s.k.	126.8	124.3	151.0	147.7	166.3	111.9	95.8	-
2038-	Frozen specialties, n.e.c.⁴	5 244.5	(NA)	(NA)	(NA)	(NA)	3 124.9	(NA)	(NA)
20382	Frozen dinners; beef, pork, and poultry pies; and nationality foods	4 095.9	3 627.4	3 296.2	3 243.6	2 843.9	2 356.6	1 297.7	702.0
20384	Other frozen specialties, n.e.c.	972.4	(NA)	(NA)	(NA)	(NA)	824.3	(NA)	(NA)
20380	Frozen specialties, n.e.c., n.s.k.	176.2	(NA)	(NA)	(NA)	(NA)	143.8	(NA)	(NA)

¹Figures are estimates derived from a representative sample of manufacturing establishments. Standard errors associated with estimates are published in annual survey of manufactures publications for this period.

²Data relate to shipments rather than production.

³For 1987, dried and dehydrated potatoes packaged with other ingredients were moved to product class 20997.

⁴See footnote 7, table 6a.

Table 7. Materials Consumed by Kind: 1987 and 1982

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendixes. For meaning of abbreviations and symbols, see introductory text]

1987 material code	Material	1987		1982	
		Quantity ¹	Delivered cost (million dollars)	Quantity ¹	Delivered cost (million dollars)
INDUSTRY 2032, CANNED SPECIALTIES					
Materials, ingredients, containers, and supplies -----		(X)	2 549.0	(X)	2 194.7
017011	Fresh fruit ----- 1,000 s tons..	200.3	39.1	110.1	21.0
Fresh vegetables:					
016111	Green peas ----- 1,000 s tons..	(S)	1.9	*9.5	2.9
013411	White potatoes ----- do..	90.2	16.8	63.3	9.8
016141	Tomatoes ----- do..	206.3	52.4	123.2	9.8
016131	Sweet corn ----- do..	5.3	1.2	68.6	4.6
016121	Green or wax beans ----- do..	39.1	7.2	30.6	5.2
018211	Mushrooms ----- mil lb..	(D)	(D)	(F)	(F)
016191	Other fresh vegetables ----- 1,000 s tons..	(D)	(D)	*244.5	35.4
Sweeteners:					
204804	High fructose corn syrup in terms of solids (HFCS) ----- mil lb..	*87.8	10.4	(X)	(F)
204811	Crystalline fructose (dry fructose) ----- do..	.4	.2	(X)	(F)
204812	Dextrose and corn syrup, including corn syrup solids in terms of dry weight ----- do..	75.1	11.4	(X)	(F)
208011	Sugar (cane and beet) in terms of sugar solids ----- 1,000 s tons..	48.7	23.6	*87.7	32.2
Other materials, ingredients, containers, and supplies:					
203413	Dried beans ----- 1,000 s tons..	264.3	147.8	278.7	181.1
204110	Wheat flour ----- 1,000 cwt..	2 009.1	20.1	1 538.2	19.5
207006	Fats and oils, all types ----- mil lb..	121.7	38.4	74.3	25.8
201013	Fresh, frozen, and prepared meats, other than poultry ----- do..	219.3	229.1	196.0	196.9
201501	Dressed poultry ----- dressed wt mil lb..	54.9	88.4	40.7	44.8
203381	Tomato paste (24 percent NTS equivalent) ----- mil lb..	488.0	187.8	317.1	109.1
203702	Frozen vegetables (for further processing) ----- do..	143.9	81.8	77.0	55.7
275001	Printed labels ----- do..	(X)	47.8	(X)	42.2
190003	Flexible packaging materials (including retort pouches) ----- do..	(X)	33.0	(X)	19.3
Containers:					
322101	Glass ----- 1,000 gross..	7 406.1	147.0	**13 247.4	213.1
285001	Paperboard containers, boxes, and corrugated paperboard ----- do..	(X)	91.8	(X)	75.3
341101	Metal cans ----- do..	(X)	504.1	(X)	604.9
970099	All other materials, ingredients, containers, and supplies ----- do..	(X)	586.9	(X)	434.9
971000	Material, ingredients, containers, and supplies, n.s.k. ² ----- do..	(X)	76.3	(X)	71.4
INDUSTRY 2033, CANNED FRUITS AND VEGETABLES					
Materials, ingredients, containers, and supplies -----		(X)	5 951.0	(X)	5 384.2
Fresh fruit:					
017411	Oranges ----- 1,000 s tons..	1 063.0	230.7	1 895.9	192.9
017511	Apples ----- do..	877.9	111.6	1 388.2	156.7
017515	Apricots ----- do..	42.4	12.3	52.6	14.3
017211	Grapes ----- do..	384.1	82.8	315.3	61.8
017521	Peaches ----- do..	442.9	97.5	578.5	101.1
017525	Pears ----- do..	375.2	89.3	310.6	44.3
017911	Pineapples ----- do..	362.6	53.7	441.7	44.4
017412	Grapefruit ----- do..	287.8	51.8	**607.0	27.3
017021	Other fresh fruits ----- do..	402.5	156.1	**429.8	180.4
Fresh vegetables:					
016111	Green peas ----- 1,000 s tons..	250.7	60.4	256.7	53.5
013411	White potatoes ----- do..	130.8	19.2	121.5	9.5
016141	Tomatoes ----- do..	7 414.2	454.4	6 617.8	449.0
016131	Sweet corn ----- do..	1 688.3	117.4	1 639.2	94.2
016121	Green or wax beans ----- do..	427.2	67.8	*448.7	60.8
018211	Mushrooms ----- mil lb..	83.3	59.7	*113.2	89.6
016191	Other fresh vegetables ----- 1,000 s tons..	946.3	167.2	**1 138.3	108.5
Sweeteners:					
204604	High fructose corn syrup in terms of solids (HFCS) ----- mil lb..	705.8	82.0	(X)	(F)
204811	Crystalline fructose (dry fructose) ----- do..	37.5	4.4	(X)	(F)
204812	Dextrose and corn syrup, including corn syrup solids in terms of dry weight ----- do..	550.4	58.1	(X)	(F)
208011	Sugar (cane and beet) in terms of sugar solids ----- 1,000 s tons..	128.5	58.7	*332.8	126.6
Other materials, ingredients, containers, and supplies:					
203413	Dried beans ----- 1,000 s tons..	32.9	15.8	40.4	20.9
207006	Fats and oils, all types ----- mil lb..	82.3	18.9	**89.9	21.8
203411	Dried fruit ----- 1,000 s tons..	13.7	12.8	31.5	30.4
203348	Concentrated fruit juices ----- mil gal..	121.8	578.6	*53.4	319.0
203381	Tomato paste (24 percent NTS equivalent) ----- mil lb..	392.2	165.2	412.1	148.2
203701	Frozen fruit (for further processing) ----- do..	195.1	96.7	*81.4	89.2
203702	Frozen vegetables (for further processing) ----- do..	34.9	14.7	5.7	4.4
275001	Printed labels ----- do..	(X)	55.9	(X)	61.3
190003	Flexible packaging materials (including retort pouches) ----- do..	(X)	62.0	(X)	50.3
Containers:					
322101	Glass ----- 1,000 gross..	(X)	216.6	(X)	145.0
341101	Metal cans ----- do..	21 778.5	448.9	**22 921.6	419.9
970099	All other materials, ingredients, containers, and supplies ----- do..	(X)	1 079.8	(X)	1 215.9
971000	Material, ingredients, containers, and supplies, n.s.k. ² ----- do..	(X)	882.4	(X)	753.2
		(X)	262.0	(X)	309.8

See footnotes at end of table.