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PRODUCTION OF MANUFACTURED DAIRY PRODUCTS 1961

UNITED STATES DEPARTMENT OF AGRICULTURE

Statistical Reporting Service
Crop Reporting Board
Washington, D.C.

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CONTENTS

	Page No.
Whole milk products:	
Whole milk equivalents	3
Creamery butter	4
Total cheese	4
Italian cheese	5
American cheese	6
Cheese other than American	6
Processed cheese	6
Ice cream	7
Ice milk	7
Mellorine-type frozen desserts	8
Total frozen desserts other than ice cream and water ice	8
Soft-frozen dairy products	8
Dry whole milk	9
Evaporated and condensed milk	9
Skim milk products:	
Skim milk equivalents	9
Nonfat dry milk	12
Cottage cheese	12
Miscellaneous dry products	13
Condensed skim milk	13

Tables

Table number		
1.	Net whole-milk equivalents used in manufactured dairy products: Total and per capita, and percentage distribution by major products, United States, 1952-61	4
2.	Cheese, Italian: Production, by specified types, by geographic divisions, United States, 1957 and 1961	5
3.	Cheese, processed and the combination of cheese foods, spreads, and cold pack: Production, United States, 1960-61	7
4.	"Mellorine-type" frozen desserts: Production, by States, 1961	8
5.	Frozen dairy products: Production, by products, by hard and soft, with percentage comparisons, by States, 1961	10
6.	Skim-milk equivalents of certain skim-milk and buttermilk products, United States, 1952-61	12
	Production of Manufactured Dairy Products	
7.	United States, by months, 1961	14
8.	United States, by months, 1960, revised	16
9.	United States, Annual, 1956-61	18
10.	Geographic divisions, 1960-61	19
11.	By States, 1960 and 1961	22
	Manufactured Dairy Products, by States, by Months, 1961	
12.	Butter, Creamery	34
13.	Cheese, total excluding full-skim American and cottage	36
14.	Cheese, Swiss	36
15.	Cheese, American made from whole milk	38
16.	Cheese, Brick and Munster combined	38
17.	Cheese, Cheddar made from whole milk	40
18.	Cheese, Italian	40
19.	Cheese, cottage, curd	42
20.	Cheese, cottage, creamed	44
21.	Condensed milk, whole, unsweetened, bulk goods	46
22.	Condensed milk, skim, unsweetened, bulk goods	46
23.	Evaporated milk, whole, unsweetened, case goods	48
24.	Dried milk, whole	48
25.	Nonfat dry milk, spray process, for human consumption	50
26.	Nonfat dry milk, roller process, for human consumption	50
27.	Ice cream, total	52
28.	Ice cream, 20,000 gallons and over	54
29.	Ice cream, less than 20,000 gallons	56
30.	Ice milk	58
	Milk Equivalents, by States, 1961	
31.	Whole milk used in manufactured dairy products	60
32.	Skim milk used in manufactured dairy products	62

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PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, 1961 1/

WHOLE MILK PRODUCTS

Whole milk equivalent of milk and cream used in manufactured dairy products in 1961 is estimated by the Crop Reporting Board at slightly more than 63 billion pounds net, up 6 percent from 1960. The 1961 total, based on a complete annual survey of all dairy products manufactured in the United States (Hawaii and Alaska excluded), represented half the total milk produced in the Nation during the year.

Total cheese production as well as American, Italian, cream, and blue mold, was at a record high level in 1961. Other products reaching record highs, including some skimmed milk products, were creamed cottage cheese, ice milk, Mellorine-type frozen desserts, plain condensed whole milk (bulk), nonfat dry milk for human food, and dry buttermilk.

The quantity of milk used in making each of the major groups of whole milk products, except evaporated and dry whole milk, was larger in 1961 than in the preceding year. As a result, the net quantity of whole milk used in all manufactured dairy products was up 3.7 billion pounds from 1960. The net whole milk equivalent of creamery butter was 31.5 billion pounds in 1961, compared with the revised total of 29.1 billion pounds in 1960.

Whole milk used in all kinds of cheese, except creamed cottage cheese, totaled 14.7 billion pounds, up 11 percent from the preceding year. Utilization of milk in American cheese was up 15 percent from 1960, but the quantity used in cheese other than American decreased 1 percent. Milk used in evaporated whole milk in 1961 decreased for the sixth consecutive year and was 2 percent below 1960. Condensed milk advanced 5 percent from the 1960 total to a record high.

The amount of milk utilized in dry whole milk and the combined production of other products such as dry cream, malted milk powder, dry ice cream mix and creamed cottage cheese was down 7 percent from 1960.

The net milk equivalent of whole milk and cream used directly in all frozen dairy products reached a record high of 9.5 billion pounds in 1961, 1 percent above the previous year. In addition, almost 1.9 billion pounds of milk were used in making butter and condensed milk which were eventually used in the manufacture of frozen products. Of the gross total of 11.4 billion pounds of milk used, 10.1 billion pounds were used for ice cream alone. Excluding the milk equivalent of milkfat obtained from butter and condensed milk, 8.2 billion pounds of milk were used directly in ice cream production. In quantity of whole milk used in manufactured dairy products in 1961, the East North Central Region ranked first and the West North Central a close second. Together they accounted for 68 percent of the National total. Wisconsin continued as the leading State in utilization of whole milk for manufactured dairy products, using about 21 percent of the total. Minnesota was second with 15 percent of the National total.

1/ Prepared by W. D. Bormuth and T. L. Cryer, Agricultural Statisticians, under the general direction of I. E. Wissinger, Chief, Dairy Statistics Branch. Based on reports to the State Statisticians and the Washington, D. C. office. Data for Alaska and Hawaii are not included in the statistics shown in this report.

Table 1.-Net whole-milk equivalents used in manufactured dairy products: Total and per capita, and percentage distribution by major products, United States, 1952-61

Year	Total	Per capita	Percentage distribution					
			Creamery butter	All whole milk and part skim cheese	Evaporated and condensed milk	Ice cream and other frozen products	Other milk products	Total
	Mil.pounds	Pounds	Percent	Percent	Percent	Percent	Percent	Percent
1952 ..	51,569	328.4	46.2	22.6	13.3	14.6	3.3	100.0
1953 ..	57,616	360.9	49.4	23.2	10.8	13.5	3.1	100.0
1954 ..	58,704	361.4	49.9	23.4	10.4	13.2	3.1	100.0
1955 ..	58,027	351.1	48.2	23.4	10.9	14.1	3.4	100.0
1956 ..	59,406	353.2	48.3	23.1	10.8	14.3	3.5	100.0
1957 ..	59,212	345.9	48.9	22.7	10.5	14.5	3.4	100.0
1958 ..	58,746	337.5	50.4	21.8	9.6	14.9	3.3	100.0
1959 1/	58,239	329.0	49.0	21.6	9.7	16.1	3.6	100.0
1960 1/	59,388	330.3	49.0	22.4	9.2	15.9	3.5	100.0
1961 2/	63,063	345.0	49.9	23.4	8.5	15.1	3.1	100.0

1/ Revised.
2/ Preliminary.

Creamery Butter

Creamery butter production in 1961, at 1.5 billion pounds, was up 8 percent from a year earlier, 7 percent above the 1955-59 annual average, and the largest annual output since 1944. Compared with the preceding year, 1961 output increased in all regions of the country. New England's production increased 91 percent, the Middle Atlantic Region was up 40 percent, and the South Atlantic up 25 percent. Production increased 4 percent in the West North Central Region, the major butter production area, and 9 percent in the East North Central Region. Output was up 18 percent in the South Central Region and up 8 percent in the Pacific. Minnesota continued as the leading butter producing State--almost one-fourth of the Nation's total. The ranking of other States in order of importance was Wisconsin, Iowa, Nebraska, and New York.

Total Cheese

Total cheese production in 1961 was record high. Output during the year was 1.6 billion pounds, 10 percent larger than 1960, and 17 percent more than the 5-year average. Production increased in all regions of the country in 1961 with the South Atlantic Region up 52 percent over 1960. The West North Central Region increased its production 19 percent during 1961, and the New England and Middle Atlantic States increased 10 percent. Output in the top-ranking East North Central Region increased 5 percent. Wisconsin continued as the first ranking cheese State, producing 41 percent of the Nation's total cheese. Other States in order of production were New York, Missouri, Illinois, and Minnesota.

SPECIAL REPORT ON UNITED STATES PRODUCTION OF ITALIAN CHEESE
BY TYPES, 1957 AND 1961

Italian cheese production in the United States reached an all-time high during 1961. Of the 161,799,000 pounds produced, 37 percent was of the hard type and 63 percent soft, according to the United States Crop Reporting Board, which made a special analysis to determine the quantity of the major types composing the total output.

The previous analysis, made for the 1957 production of 111,620,000 pounds, showed 43 percent was hard type and 57 percent soft type.

A comparison of the results of the two surveys indicated that while Italian cheese production in the United States rose 45 percent between 1957 and 1961, the hard types advanced only 24 percent as the soft types jumped 61 percent. Gains, by major types, were: Romano and similars, 139 percent; Mozzarella and similars, 131 percent; and Parmesan and similars, 36 percent. Provolone and similar types decreased 3 percent and Ricotta and similars were down 8 percent from 1957 to 1961.

The East North Central Region, which includes the leading Italian cheese-producing State of Wisconsin, continued to dominate the production picture. That region produced 98 percent of the Nation's hard types of Italian cheese in 1961 compared with 94 percent in 1957. More significant, however, was the tremendous stride that the East North Central Region made in the output of the soft types. In 1957, the region produced about a third of the annual total and ranked second to the Middle Atlantic States, which made more than half the national total. By 1961, the region far more than doubled its output and accounted for more than half the Nation's total and easily outranked the Middle Atlantic Region, which made a little more than a third of the total.

Table 2.-Italian Cheese Production in the United States, 1957 and 1961

A. By Major Types

Types	1957	1961	Change 1957 to 1961
	1,000 lb.	1,000 lb.	Percent
Hard:			
Provolone and similars.....	25,964	25,189	-3.0
Romano and similars.....	6,088	14,570	+139.3
Parmesan and similars.....	14,341	19,433	+35.5
Other hard.....	1,930	896	-53.6
Total hard.....	48,323	60,088	+24.3
Soft:			
Mozzarella and similars.....	32,536	75,264	+131.3
Ricotta and similars.....	26,938	24,803	-7.9
Other soft.....	3,823	1,644	-57.0
Total soft.....	63,297	101,711	+60.7
Total hard and soft.....	111,620	161,799	+45.0

B. By Regions (thousand pounds)

Region	Hard types		Soft types		Total (hard & soft)	
	1957	1961	1957	1961	1957	1961
New England.....	-	-	5,406	6,327	5,406	6,327
Middle Atlantic.....	-	220	34,060	37,399	34,060	37,619
East North Central...	45,465	58,784	22,215	52,604	67,680	111,388
West North Central...	94	-	206	313	300	313
Mountain.....	-	-	52	128	52	128
Pacific.....	2,764	1,084	1,358	4,940	4,122	6,024
United States.....	48,323	60,088	63,297	101,711	111,620	161,799

American Cheese

The 1,145 million pounds of American cheese produced in 1961 was 15 percent above 1960, 16 percent above the 1955-59 annual average, and a record high. American cheese includes natural Cheddar, Colby, washed curd, jack, Monterey, and granular. Production of Cheddar cheese increased 14 percent from the preceding year, totaling 1,021 million pounds in 1961. Other American types of whole milk cheese amounted to about 124 million pounds, up 22 percent from 1960. American cheese represented 70 percent of the total cheese produced in the United States during the year. Increases from a year earlier in total American cheese production by regions were: South Atlantic, 52 percent; West North Central, 23 percent; South Central, 30 percent; Middle Atlantic, 12 percent; East North Central, 9 percent; New England, 8 percent; Mountain, 6 percent; and Pacific, 2 percent. Wisconsin produced 41 percent of the total American cheese made in the United States during 1961. Other States according to rank were Missouri, Kentucky, Minnesota and Iowa.

Cheese Other Than American

Output of all varieties of cheese other than American continued at a record high rate in 1961 and totaled 485.7 million pounds, up 1 percent from the preceding year. Swiss cheese production, at 120.5 million pounds, was down fractionally from the previous year, but 8 percent above the 5-year annual average. Illinois continued as the leading producer of Swiss cheese, making 31 percent of the National output in 1961. Other States according to rank included Wisconsin, Minnesota, Ohio, and Idaho.

Munster cheese production in 1961 totaled 23.0 million pounds, down 3 percent from 1960, but 14 percent above the 1955-59 annual average. Brick cheese output was 23.7 million pounds, 11 percent below the previous year and 9 percent below average. Wisconsin produced over two-thirds of the total brick and Munster cheese made in the Nation during 1961. Limburger production was smallest of record, and in 1961 totaled 3.3 million pounds, 4 percent below 1960 and 22 percent under the average. However, cream cheese attained a new high at 102.1 million pounds, 3 percent above the previous year, and 27 percent above average. For 13 consecutive years, production has exceeded the preceding year. Output of Neufchatel in 1961 totaled 7.4 million pounds, up fractionally from 1960, but 23 percent below the 5-year average. Blue mold cheese production continued at a record high level during 1961. The 16.2 million pounds produced were 7 percent above 1960 production and 45 percent above the 1955-59 annual average. Wisconsin produced 71 percent of the Nation's total in 1961. Unclassified varieties of cheese totaled 20.7 million pounds, 4 percent below 1960, but 4 percent above average.

Processed Cheese

The 58 plants reporting processed cheese, cheese foods, spreads, and cold pack (excludes spreads made from Neufchatel and cream cheese) produced 731.1 million pounds in 1961, up 6 percent from a year earlier. In 1961 approximately 60.6 million pounds of cheese were made and delivered to the U. S. Department of Agriculture. Of this total, 14.4 million pounds were processed from government-owned natural cheese and 46.2 million pounds were purchased as processed cheese. Cheese processed under government contracts for earlier years were: 1960, 10 million pounds; 1959, 30 million pounds; and 1958, 184 million pounds.

In 1961, processed cheese alone was made in 43 plants and totaled 509 million pounds, a gain of 10 percent from the preceding year. The ranking of States making processed cheese was: Wisconsin, Minnesota, Missouri, Georgia, and Pennsylvania. Output of processed cheese foods, spreads, and cold packs totaled about 222 million pounds, down 2 percent from the previous year. Missouri was the leading producer followed by Wisconsin and Minnesota.

Table 3.-Cheese, processed and the combination of cheese foods, spreads, and cold pack: Production, United States, 1960-61 1/

(In thousands of pounds)

	Processed cheese		Processed cheese foods, spreads, and cold pack 2/		Total	
	1960 3/	1961	1960 3/	1961	1960 3/	1961
United States	462,090	509,333	225,878	221,727	687,968	731,060
Number of plants	41	43	45	45	56	58

1/ Processed cheese is made by pasteurizing, emulsifying, and blending natural cheeses and contains no other ingredients. Processed cheese foods, spreads, and cold pack contain additional ingredients such as nonfat milk solids, condiments, etc.
2/ Excludes spreads made from Neufchatel and cream cheese.
3/ Revised.

Ice Cream

Ice cream production totaled 694.7 million gallons in 1961, fractionally less than a year earlier, but 6 percent more than the 1955-59 annual average. Compared with 1960, gains were 2 percent in the Pacific States and 1 percent in New England. These were more than offset, however, by losses of 4 percent in the South Central and 3 percent in the West North Central Regions. In other sections of the country, 1961 production was practically the same as a year earlier. New York was the leading ice cream producing State, followed by Pennsylvania, California, Ohio, and Illinois.

Of the total 1961 ice cream production, 652.3 million gallons were made by establishments producing 20,000 gallons or more per year. This was fractionally higher than output by this size group in 1960. Production of establishments making less than 20,000 gallons per year totaled 42.4 million gallons, 9 percent less than a year earlier.

Ice Milk

Ice milk production continued at a record high level during 1961. Total output during the year was 161 million gallons, 11 percent more than a year earlier, and 45 percent more than average. Ice milk production has increased each year since 1944. Changes from the previous year vary rather widely between regions. Compared with 1960, production was down 1 percent in the Mountain and Pacific States, but up 32 percent in the East North Central, and 30 percent in the Middle Atlantic States. Gains occurring in the remaining regions were: South Atlantic, 15 percent; New England, 11 percent; South Central, 7 percent; and the West North Central, 5 percent. California continued as the leading State in ice milk production, making about 13 percent of the National total. Other States in order of rank were: Illinois, Ohio, North Carolina, and Pennsylvania. During the past year, the production of ice milk was legalized in New Hampshire, New York, Maryland, Michigan and Indiana.

Mellorine-Type Frozen Desserts

Production of Mellorine and Mellorine-type frozen desserts reached a record high in 1961. The 48 million gallons produced during the year were 6 percent more than in the previous year and 32 percent above the 1955-59 average. Texas continued as the leading producer of Mellorine and Mellorine-type frozen desserts, making almost one-half of the Nation's total output. Other leading States in order of production were: California, Missouri, Oklahoma, and Illinois.

Table 4.--"Mellorine-type" frozen desserts: Production, by States, 1961

Month	Ala.	Ariz.	Ark.	Calif.	Ill.	La.	Mo.	Mont.	Okla.	Oreg.	S. C.	Tex.	U. S. total 1/
	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.
January..	25	26	44	774	145	38	201	24	152	54	8	1,275	2,825
February.	27	23	51	857	175	47	199	21	169	55	13	1,378	3,066
March ...	40	35	71	1,055	183	72	274	25	221	65	11	1,921	4,044
April ...	38	45	70	1,074	216	64	234	27	222	60	14	1,824	3,948
May	46	57	94	1,166	191	83	278	24	306	69	22	2,328	4,737
June	48	59	118	1,376	257	116	311	38	327	89	16	2,449	5,277
July	46	57	143	1,433	249	116	305	34	332	83	23	2,485	5,373
August ..	64	54	121	1,366	295	120	323	37	313	73	24	2,582	5,449
September	41	45	96	1,102	207	95	283	27	257	61	20	2,030	4,314
October..	30	36	70	1,117	171	81	244	27	208	47	15	1,678	3,780
November.	17	28	47	832	168	55	210	15	159	40	15	1,187	2,812
December.	23	22	46	694	125	58	174	17	135	40	7	1,029	2,400
Total..	445	487	971	12,846	2,382	945	3,036	316	2,801	736	188	22,166	48,025
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Plants ..	10	5	14	25	48	8	36	20	83	23	3	935	1,221

1/ Includes several minor producing States for which data are not shown separately.

Total Frozen Desserts Other Than Ice Cream and Water Ice

Combined production of frozen desserts (other than ice cream) containing milkfat or vegetable fat and milk solids not fat increased 8 percent in 1961 over the preceding year. This was the 14th consecutive year in which output of these products has exceeded that of a year earlier. Since 1952 frozen products other than ice cream have increased more than 150 percent, while ice cream production went up only 17 percent. During this period, production of ice milk increased 200 percent, sherbet production increased 56 percent, and Mellorine production increased more than 300 percent.

Soft Frozen Dairy Products

Of the total ice cream, ice milk, milk sherbet, and Mellorine made in 1961, 10 percent, or about 95 million gallons, was made by plants where production was primarily sold as a soft frozen product. Soft frozen products are defined as products sold direct from the freezer or kept in a hardening cabinet for less than 12 hours. The entire production of a particular product by a plant is classified as soft, if most of the product was sold soft. Most soft frozen dairy products are sold from direct serve, soft serve, or shake machines from which the product is drawn into a cup or cone and sold directly to the consumer.

States in which a high percentage of total frozen products was sold in soft form in 1961 were: Wyoming, 36 percent; Vermont, 26 percent; New Mexico, 24 percent; Arkansas, 21 percent; and Kentucky, 20 percent. Of the total soft products sold in the Nation, ice milk represented 74 percent; ice cream, 21 percent; Mellorine, 3 percent; and sherbet, 2 percent.

Soft ice milk production continues to climb and in 1961 totaled almost 71 million gallons, 9 percent above the previous year. States in which a high percentage of the ice milk production was sold in the soft form were: Vermont, 96 percent; New Hampshire, 88 percent; Wyoming, 86 percent; Maine and Connecticut, 77 percent; and New York, 75 percent. In 7 States, ice milk accounted for practically all of the soft frozen products sold in 1961. These were California, Utah, Nevada, Wyoming, North Dakota, South Dakota, and Nebraska. Soft frozen Mellorine products were made primarily in Texas and Oklahoma with a small quantity made in Montana. Michigan and New Hampshire were the only States in which a large proportion of the sherbet was sold in soft form.

Dry Whole Milk

Output of dry whole milk (sweetened and unsweetened combined) totaled 81.7 million pounds in 1961, 17 percent below 1960 and 18 percent below the 5-year average. New York continued as the leading producer of dry whole milk, making about one-fifth of the Nation's total output. Michigan was the second largest producer, followed by Illinois, Minnesota, and Wisconsin.

Evaporated and Condensed Milk

Production of evaporated whole milk in 1961 totaled 2,117 million pounds, 3 percent below 1960, 13 percent below the 5-year average, and the smallest annual production since 1938. Compared with 1960, gains were 13 percent in the South Atlantic Region, 5 percent in the South Central, and 3 percent for the Middle Atlantic. These gains were more than offset, however, by losses of 12 percent in the major-producing East North Central Region, 10 percent in the West North Central, and 3 percent in the Mountain and Pacific States. Rank of States in 1961, according to production, was Wisconsin, Ohio, Kentucky, California, and Tennessee. Production of canned sweetened condensed whole milk, at 69.8 million pounds, was 3 percent above 1960, 24 percent above average, and the largest annual output since 1949. Output of sweetened condensed whole milk (bulk goods) continued to decline. The 46.1 million pounds made in 1961 were 3 percent below the preceding year and 5 percent below average. Production of plain condensed whole milk (bulk goods) was a record high 391.2 million pounds, 5 percent above 1960 and 24 percent above the 1955-59 average.

SKIM MILK PRODUCTS

For the tenth consecutive year, the use of skim milk in manufacturing skim milk products continued to increase and 1961 was a record high. Skim milk use rose 8 percent from the preceding year and totaled 29.7 billion pounds. Three-fourths of this total, or 22.5 billion pounds, was utilized in making nonfat dry milk. This was an increase of 11 percent over 1960. Cottage cheese curd was the second most important product in use of skim milk, accounting for 3.6 billion pounds, 2 percent less than a year earlier. The 2.6 billion pounds used in making condensed and evaporated skim milk was 7 percent above the previous year, while condensed and dry buttermilk combined utilized almost 1 billion pounds (skim milk equivalent of buttermilk solids) or 2 percent more than in 1960.

Table 5.-Frozen dairy products: Production, by products, by hard and soft, with percentage comparisons, by States, 1961

State	Total production hard & soft products	Total frozen products 1/				Ice Cream				Ice milk 2/			
		Production		As % of total		Production		As % of total ice cream		Production		As % of total ice milk	
	1/	Hard	Soft	Hard	Soft	Hard	Soft	Hard	Soft	Hard	Soft	Hard	Soft
	1,000 gal.	1,000 gal.	1,000 gal.	Pct.	Pct.	1,000 gal.	1,000 gal.	Pct.	Pct.	1,000 gal.	1,000 gal.	Pct.	Pct.
Maine	6,610	6,066	544	92	8	5,627	7	100	-	161	536	23	77
N. H.	1,248	1,199	49	96	4	1,154	23	98	2	2	15	12	88
Vt.	564	416	148	74	26	401	10	98	2	5	136	4	96
Mass.	34,234	32,585	1,649	95	5	29,791	336	99	1	1,052	1,308	45	55
R. I.	3,658	3,462	196	95	5	3,100	48	98	2	79	148	35	65
Conn.	9,703	8,545	1,158	88	12	7,959	413	95	5	219	730	23	77
N. Y.	78,732	71,882	6,850	91	9	69,648	6,059	92	8	262	791	25	75
N. J.	21,776	18,445	3,331	85	15	17,690	2,936	86	14	187	357	34	66
Pa.	84,337	73,493	10,844	87	13	67,451	5,880	92	8	3,162	4,758	40	60
Ohio	52,031	46,072	5,959	89	11	40,223	98	100	-	3,503	5,843	37	63
Ind.	34,199	31,251	2,948	91	9	27,770	1,831	94	6	2,001	1,106	64	36
Ill.	52,708	46,054	6,654	87	13	37,215	73	100	-	4,230	6,511	39	61
Mich.	38,365	34,712	3,653	90	10	31,474	42	100	-	2,113	2,351	47	53
Wis.	27,917	25,617	2,300	92	8	23,271	303	99	1	1,533	1,997	43	57
Minn.	23,581	21,365	2,216	91	9	18,785	18	100	-	1,793	2,198	45	55
Iowa	14,343	12,603	1,740	88	12	10,125	20	100	-	1,444	1,710	46	54
Mo.	25,629	22,454	3,175	88	12	15,555	74	100	-	2,998	3,101	49	51
N. Dak. ..	3,446	3,013	433	87	13	2,679	-	100	-	266	433	38	62
S. Dak. ..	3,389	2,804	585	83	17	2,216	2	100	-	474	583	45	55
Nebr.	12,075	10,870	1,205	90	10	8,357	4	100	-	1,993	1,200	62	38
Kans.	10,200	8,343	1,857	82	18	6,142	25	100	-	1,918	1,831	51	49
D. C.	8,215	7,595	620	92	8	7,038	379	95	5	237	241	50	50
Del.	5,616	5,373	243	96	4	4,754	57	99	1	385	186	67	33
Md.	16,444	14,904	1,540	91	9	13,241	511	96	4	570	1,029	36	64
Va.	16,593	14,553	2,040	88	12	11,986	181	99	1	1,746	1,839	49	51
W. Va. ...	5,871	5,051	820	86	14	4,489	23	99	1	414	797	34	66
N. C.	23,574	22,053	1,521	94	6	13,329	368	97	3	7,923	1,153	87	13
S. C.	5,151	4,652	499	90	10	2,933	5	100	-	1,295	486	73	27
Ga.	13,187	11,937	1,250	91	9	8,156	118	99	1	3,403	1,132	75	25
Fla.	27,182	24,747	2,435	91	9	18,732	155	99	1	4,827	2,258	68	32
Ky.	6,833	5,456	1,377	80	20	4,077	40	99	1	1,072	1,337	44	56
Tenn.	23,323	21,470	1,853	92	8	14,521	40	100	-	5,491	1,811	75	25
Ala.	13,626	12,682	944	93	7	7,867	-	100	-	3,745	938	80	20
Miss.	5,552	4,730	822	85	15	3,264	19	99	1	1,275	803	61	39
Ark.	5,552	4,362	1,190	79	21	2,506	14	99	1	761	1,174	39	61
La.	12,010	10,909	1,101	91	9	7,832	30	100	-	1,627	1,070	60	40
Okla.	12,012	10,660	1,352	89	11	5,446	9	100	-	2,096	1,237	63	37
Tex.	48,602	45,161	3,441	93	7	20,518	93	100	-	2,705	967	74	26
Mont.	3,485	3,044	441	87	13	2,068	27	99	1	524	405	56	44
Idaho	4,231	3,638	593	86	14	3,084	3	100	-	410	590	41	59
Wyo.	845	544	301	64	36	476	-	100	-	48	301	14	86
Colo.	10,543	9,274	1,269	88	12	7,645	17	100	-	1,094	1,252	47	53
N. Mex. ..	2,322	1,767	555	76	24	1,373	4	100	-	323	551	37	63
Ariz.	5,197	4,614	583	89	11	3,331	-	100	-	534	580	48	52
Utah	5,909	5,063	846	86	14	4,089	-	100	-	641	846	43	57
Nev.	1,111	956	155	86	14	720	-	100	-	174	155	53	47
Wash.	16,450	14,957	1,493	91	9	12,231	85	99	1	1,949	1,403	58	42
Oreg.	9,585	7,802	1,783	81	19	5,546	26	100	-	1,246	1,756	42	58
Calif. ...	96,012	89,310	6,702	93	7	56,399	22	100	-	14,633	6,680	69	31
U. S. ..	943,778	848,515	95,263	90	10	674,284	20,428	97	3	90,543	70,620	56	44

See footnotes at end of table.

Continued

Table 5.-Frozen dairy products: Production, by products, by hard and soft, with percentage comparisons, by States, 1961-Cont.

State	Milk sherbet				Mellorine 3/				Percentage total soft products sold as:			
	Production		As % of total sherbet		Production		As % of total Mellorine		Ice cream	Ice milk	Milk sherbet	Mellorine
	Hard	Soft	Hard	Soft	Hard	Soft	Hard	Soft				
	1,000 gal.	1,000 gal.	Pct.	Pct.	1,000 gal.	1,000 gal.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Maine	278	1	100	-	-	-	-	-	1	99	-	-
N. H.	43	11	80	20	-	-	-	-	47	31	22	-
Vt.	10	2	83	17	-	-	-	-	7	92	1	-
Mass.	1,742	5	100	-	-	-	-	-	21	79	-	-
R. I.	283	-	100	-	-	-	-	-	24	76	-	-
Conn.	367	15	96	4	-	-	-	-	36	63	1	-
N. Y.	1,972	-	100	-	-	-	-	-	88	12	-	-
N. J.	568	38	94	6	-	-	-	-	88	11	1	-
Pa.	2,880	206	93	7	-	-	-	-	54	44	2	-
Ohio	2,346	18	99	1	-	-	-	-	2	98	-	-
Ind.	1,429	11	99	1	-	-	-	-	62	38	-	-
Ill.	2,227	70	97	3	2,382	-	100	-	1	98	1	-
Mich.	1,125	1,260	47	53	-	-	-	-	1	64	35	-
Wis.	813	-	100	-	-	-	-	-	13	87	-	-
Minn.	787	-	100	-	-	-	-	-	1	99	-	-
Iowa	381	10	97	3	-	-	-	-	1	98	1	-
Mo.	865	-	100	-	3,036	-	100	-	2	98	-	-
N. Dak. ..	68	-	100	-	-	-	-	-	-	100	-	-
S. Dak. ..	114	-	100	-	-	-	-	-	-	100	-	-
Nebr.	520	1	100	-	-	-	-	-	-	100	-	-
Kans.	283	1	100	-	-	-	-	-	1	99	-	-
D. C.	320	-	100	-	-	-	-	-	61	39	-	-
Del.	234	-	100	-	-	-	-	-	23	77	-	-
Md.	1,093	-	100	-	-	-	-	-	33	67	-	-
Va.	821	20	98	2	-	-	-	-	9	90	1	-
W. Va. ...	148	-	100	-	-	-	-	-	3	97	-	-
N. C.	801	-	100	-	-	-	-	-	24	76	-	-
S. C.	236	8	97	3	188	-	100	-	1	97	2	-
Ga.	378	-	100	-	-	-	-	-	9	91	-	-
Fla.	1,188	22	98	2	-	-	-	-	6	93	1	-
Ky.	307	-	100	-	-	-	-	-	3	97	-	-
Tenn.	1,458	2	100	-	-	-	-	-	2	98	-	-
Ala.	625	6	99	1	445	-	100	-	-	99	1	-
Miss.	191	-	100	-	-	-	-	-	2	98	-	-
Ark.	124	2	98	2	971	-	100	-	1	99	-	-
La.	505	1	100	-	945	-	100	-	3	97	-	-
Okla.	423	-	100	-	2,695	106	96	4	1	91	-	8
Tex.	2,133	20	99	1	19,805	2,361	89	11	3	28	-	69
Mont.	145	-	100	-	307	9	97	3	6	92	-	2
Idaho	144	-	100	-	-	-	-	-	1	99	-	-
Wyo.	20	-	100	-	-	-	-	-	-	100	-	-
Colo.	535	-	100	-	-	-	-	-	1	99	-	-
N. Mex. ..	71	-	100	-	-	-	-	-	1	99	-	-
Ariz.	262	3	99	1	487	-	100	-	-	99	1	-
Utah	333	-	100	-	-	-	-	-	-	100	-	-
Nev.	60	-	100	-	-	-	-	-	-	100	-	-
Wash.	777	5	99	1	-	-	-	-	6	94	-	-
Oreg.	274	1	100	-	736	-	100	-	1	99	-	-
Calif. ...	5,432	-	100	-	12,846	-	100	-	-	100	-	-
U. S. ..	38,139	1,739	96	4	45,549	2,476	95	5	21	74	2	3

1/ Includes ice cream, ice milk, milk sherbet, and Mellorine.
2/ Includes freezer-made milkshake. See footnotes page 59.
3/ Includes some States not shown separately. States not shown when less than 3 plants reported or individual operations might be disclosed.

Minnesota and Wisconsin were again the largest users of skim milk products and together accounted for 41 percent of the United States total in 1961. Minnesota was the leading user with 6.5 billion pounds, followed by Wisconsin with 5.7 billion pounds. New York, with 2.8 billion pounds, ranked third, followed by Iowa with 2.3 billion pounds, and California with 1.8 billion pounds.

Table 6.-Skim-milk equivalents of certain skim-milk and buttermilk products, United States, 1952-61

Year	Full-skim American cheese	Cottage cheese curd	Condensed and evaporated skim milk	Concentrated skim milk (for animal feed)	Nonfat dry milk	Condensed and dried buttermilk	Total 3/
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1952	14	2,343	2,074	23	9,774	981	15,476
1953	12	2,524	2,198	21	13,583	1,030	19,565
1954	6	2,706	2,289	14	14,899	989	21,088
1955	41	2,866	2,247	12	15,245	830	21,353
1956	52	3,342	2,225	5	16,601	856	23,170
1957	53	3,415	2,294	4	18,096	853	24,776
1958	79	3,451	2,174	2	19,039	907	25,675
1959	70	3,601	2,382	6	19,212	938	26,214
1960 1/..	71	3,704	2,384	3	20,289	976	27,461
1961 2/..	72	3,614	2,558	13	22,451	999	29,730

1/ Revised.
2/ Preliminary.
3/ Includes casein and other minor products.

Nonfat Dry Milk

Production of total nonfat dry milk (spray and roller process combined) for human food in 1961, at 2 billion pounds, was up 11 percent from a year earlier, 27 percent above the 5-year average, and a record high. Compared with the preceding year, 1961 output increased in all regions of the country. Gains by regions were: South Central, 36 percent; New England, 35 percent; South Atlantic, 31 percent; Middle Atlantic, 16 percent; Pacific, 11 percent; East North Central, 10 percent; West North Central, the major producing area, 8 percent; and Mountain, 4 percent.

Minnesota was again the leading producer of nonfat dry milk, making 536 million pounds, or almost 27 percent of the Nation's total. Wisconsin was the second ranking State with 437 million pounds, followed by Iowa, New York, and Michigan, in that order. Production of dry skim milk for animal feed in 1961 totaled 27.7 million pounds, 7 percent above 1960, and the highest since 1942.

Cottage Cheese

Cottage cheese curd production in 1961 was 578 million pounds, 2 percent below the previous year and the first decrease in annual production since 1947. However, production was 8 percent above the 1955-59 annual average. Compared with 1960, the South Atlantic and Mountain Regions increased 2 percent, but all other regions declined.

Regions with decreases were: New England and East North Central, 4 percent; Middle Atlantic and South Central, 3 percent; West North Central, 2 percent; and Pacific, 1 percent. California was the ranking State in cottage cheese production, followed by New York, Illinois, Ohio, and Michigan. Production of partially creamed cottage cheese (containing less than 4 percent milkfat) totaled 27.8 million pounds, 4 percent less than in 1960. California produced 14.2 million pounds, or 51 percent of the total. Other major States were Texas with 5.3 million pounds and New York with 4.7 million pounds.

The 774 million pounds of creamed cottage cheese produced in 1961 was 1 percent above 1960, 15 percent above average, and a record high. California was also the leading producer of creamed cottage cheese, making 15 percent of the total. Other major-producing States were New York, Illinois, Ohio, and Michigan.

Miscellaneous Products

Production of dry buttermilk in 1961, at 89 million pounds, was at a record high level and exceeded the previous year by 3 percent and the 1955-59 average by 27 percent. Minnesota produced 33 percent of the dry buttermilk made in the Nation during the year and Wisconsin produced 24 percent.

In 1961, dry whey production totaled 265 million pounds, down 4 percent from a year earlier, but 17 percent above average. Wisconsin, making slightly more than one-fourth of the total, continued as the leading producer, followed by Missouri, Minnesota, Illinois and Kentucky. Meanwhile, condensed whey at 99 million pounds increased 14 percent compared with 1960. Malted milk powder in 1961 totaled 24 million pounds, down 2 percent from the previous year and the lowest production since 1941. Dry ice cream mix production was about 2 million pounds, down fractionally from 1960. In 1961, crude milk sugar production totaled almost 36 million pounds, off 29 percent from a year earlier.

Condensed Skim Milk

The 1961 output of sweetened condensed skim milk (bulk goods) totaled 49 million pounds, 13 percent below the previous year, 36 percent below average and the smallest production of record except for 1918. Plain condensed skim milk production rose to a record high 792 million pounds in 1961, 9 percent above 1960, and 19 percent above average. Evaporated skim milk, case goods, at 12 million pounds, was up 7 percent from the preceding year and 14 percent above average.

Table 7.-Manufactured dairy products: Production of specified products, United States, by months, 1961

Product	Plants	January	February	March	April	May	June
	Number	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
Butter, creamery	1,516	119,816	115,867	130,754	134,295	154,105	152,709
Cheese:							
American:							
Cheddar	961	73,637	69,092	85,381	95,320	116,874	120,443
Other types, whole milk 1/	200	8,599	7,888	9,462	10,057	11,923	12,834
Total, whole milk	1,021	82,236	76,980	94,843	105,377	128,797	133,277
Part skim	20	371	320	649	1,016	945	726
Swiss, including block	158	9,402	9,005	10,709	10,841	12,776	13,134
Munster	86	2,042	1,895	2,049	1,999	2,210	1,771
Brick	94	2,065	1,764	2,282	1,917	1,929	1,929
Limburger	14	258	226	255	256	225	263
All Italian types	193	13,610	12,798	16,221	13,942	14,914	14,532
Cream	35	8,084	7,600	9,586	7,656	8,633	7,801
Neufchatel	17	854	578	667	662	827	641
Blue mold 2/	25	1,352	1,564	1,411	1,281	1,336	1,437
All other types	74	1,832	1,695	1,943	1,676	1,848	1,694
Total 3/	1,406	122,106	114,425	140,615	146,823	174,[illegible]	177,205
Full-skim American type cheese	15	342	435	563	439	401	389
Cottage cheese:							
Curd 4/	1,207	45,484	49,325	55,936	49,249	53,174	51,135
Creamed 5/	1,263	60,585	66,706	75,453	65,032	70,322	68,265
Partially creamed 6/	89	2,131	2,200	2,603	2,432	2,519	2,546
Condensed milk:							
Sweetened:							
Case goods: Unskimmed	6	6,407	5,669	5,931	5,753	6,878	5,702
Bulk goods:							
Unskimmed	44	3,529	3,521	3,892	4,274	4,877	3,577
Skimmed	61	3,400	3,283	3,991	4,101	5,756	5,202
Unsweetened: Bulk goods:							
Unskimmed	131	27,801	28,014	36,249	34,006	37,071	37,467
Skimmed	290	53,070	52,094	63,731	62,583	74,694	79,485
Evaporated milk, unsweetened:							
Case goods: Unskimmed	72	135,238	132,113	181,533	207,083	268,187	253,183
Skimmed	6	1,013	1,006	1,461	982	997	892
Condensed or evaporated buttermilk	17	606	391	389	542	621	679
Condensed whey	35	7,984	7,410	9,469	9,218	9,549	10,146
Dry milk:							
Whole milk	49	6,566	6,111	6,845	6,185	7,438	7,503
Nonfat dry milk for human food:							
Spray process	326	137,936	137,348	166,808	180,805	212,073	214,612
Roller process	134	8,668	8,564	10,838	13,423	17,205	19,217
Total	432	146,604	145,912	177,646	194,228	229,278	233,829
Skim milk for animal feed	248	2,183	2,184	2,397	2,080	2,509	3,085
Whey	90	20,102	19,345	22,816	23,981	26,520	25,230
Buttermilk	207	7,226	7,417	8,446	8,419	9,111	9,345
Malted milk powder	3	1,352	2,168	2,640	2,129	2,692	2,430
Milk sugar, crude	8	3,263	2,447	3,378	3,717	2,597	2,611
Dry ice cream mix 7/	7	4	11	65	79	271	157
Frozen products and mix:							
Ice cream: By establishments with annual output of:		1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.
20,000 gal. and over	1,904	42,262	43,288	55,971	49,688	59,361	67,063
Less than 20,000 gal.	13,634	1,720	1,835	2,679	3,316	4,590	5,703
Total	15,538	43,982	45,123	58,650	53,004	63,951	72,766
Ice milk 8/	26,161	6,946	7,541	11,130	12,344	16,021	19,917
Milk sherbet	4,542	1,957	2,041	3,067	3,170	4,468	5,184
Other frozen dairy products	185	163	182	290	331	487	587
"Mellorine type" frozen desserts	1,221	2,825	3,066	4,044	3,948	4,737	5,277
Water ices	2,397	794	1,084	2,279	2,742	4,276	5,753
Ice cream mix	2,323	22,674	23,212	30,500	27,631	34,009	40.001
Ice milk mix 9/	1,695	4,319	4,692	7,157	7,703	10,325	12,974
Milk sherbet mix	1,303	1,126	1,164	1,813	1,872	2,673	3,085
"Mellorine type" mix	259	1,445	1,567	2,095	2,033	2,438	2,778

1/ Includes Colby, washed curd, high and low moisture jack, Monterey, and granular.
2/ Includes Gorgonzola.
3/ Excluding full-skim American and cottage cheese.
4/ Used for processing into full or partially creamed cottage cheese or for sale to consumers in dry form. Includes pot and bakers' cheese.

Continued

Table 7.-Manufactured dairy products: Production of specified products, United States, by months, 1961--Cont.

Product	July	August	September	October	November	December	Total
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
Butter, creamery	127,497	108,123	94,783	110,082	109,934	126,082	1,484,047
Cheese:							
American:							
Cheddar	101,465	87,442	73,783	69,409	61,161	66,932	1,020,939
Other types, whole milk 1/	10,571	10,589	10,245	10,857	10,467	10,199	123,691
Total, whole milk	112,036	98,031	84,028	80,266	71,628	77,131	1,144,630
Part skim	743	417	442	524	501	425	7,079
Swiss, including block	10,767	9,796	8,647	8,606	8,038	8,787	120,508
Munster	1,659	1,577	1,644	2,077	1,938	2,126	22,987
Brick	1,883	1,760	1,867	2,245	1,986	2,060	23,687
Limburger	230	303	249	342	357	344	3,308
All Italian types	12,033	11,707	11,141	13,014	13,086	14,801	161,799
Cream	6,551	7,481	7,855	9,612	10,019	11,262	102,140
Neufchatel	449	483	557	705	429	519	7,371
Blue mold 2/	1,309	1,328	1,439	1,236	1,246	1,266	16,205
All other types	1,443	1,539	1,477	1,716	1,870	1,925	20,658
Total 3/	149,103	134,422	119,346	120,343	111,098	120,646	1,630,372
Full-skim American type cheese	361	335	359	340	283	272	4,519
Cottage cheese:							
Curd 4/	49,183	48,924	45,639	46,229	43,096	40,838	578,265
Creamed 5/	65,900	65,836	61,665	61,413	57,693	55,441	774,311
Partially creamed 6/	2,490	2,478	2,292	2,233	2,032	1,850	27,806
Condensed milk:							
Sweetened:							
Case goods: Unskimmed	5,604	5,932	5,322	6,004	5,232	5,403	69,837
Bulk goods:							
Unskimmed	3,436	3,973	4,137	4,212	3,518	3,189	46,135
Skimmed	4,062	4,559	4,287	3,677	2,990	3,527	48,835
Unsweetened: Bulk goods:							
Unskimmed	38,299	39,973	33,953	28,766	24,811	24,779	391,189
Skimmed	77,410	75,763	67,292	66,245	60,383	58,944	791,694
Evaporated milk, unsweetened:							
Case goods: Unskimmed	213,421	188,443	157,407	138,073	117,236	125,550	2,117,467
Skimmed	819	970	798	853	978	1,226	11,995
Condensed or evaporated buttermilk	497	743	658	611	440	387	6,564
Condensed whey	8,486	8,529	7,689	6,981	6,863	6,852	99,176
Dry milk:							
Whole milk	6,501	6,527	5,434	7,686	7,564	7,315	81,695
Nonfat dry milk for human food:							
Spray process	169,794	134,139	111,884	126,304	128,755	159,821	1,880,279
Roller process	12,473	9,725	7,244	8,547	7,573	9,589	133,066
Total	182,267	143,864	119,128	134,851	136,328	169,410	2,013,345
Skim milk for animal feed	2,541	2,373	2,248	2,044	1,767	2,268	27,679
Whey	24,499	22,581	19,869	21,069	18,912	20,135	265,059
Buttermilk	7,993	6,217	5,290	6,119	6,264	7,189	89,036
Malted milk powder	1,173	2,094	1,777	2,157	1,365	2,009	23,986
Milk sugar, crude	2,377	2,755	2,241	3,113	3,584	3,445	35,528
Dry ice cream mix 7/	114	280	196	154	259	359	1,949
Frozen products and mix:							
Ice cream: By establishments with annual output of:	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.
20,000 gal. and over	66,487	69,997	59,859	51,176	45,346	41,816	652,314
Less than 20,000 gal.	6,064	5,877	4,143	2,722	2,052	1,697	42,398
Total	72,551	75,874	64,002	53,898	47,398	43,513	694,712
Ice milk 8/	21,209	21,698	16,292	11,844	8,948	7,273	161,163
Milk sherbet	5,131	5,089	3,552	2,542	1,986	1,691	39,878
Other frozen dairy products	637	643	484	305	210	144	4,463
"Mellorine type" frozen desserts	5,373	5,449	4,314	3,780	2,812	2,400	48,025
Water ices	5,632	4,782	2,850	1,331	790	553	32,866
Ice cream mix	39,125	40,322	33,625	28,096	24,676	22,533	366,404
Ice milk mix 9/	13,862	14,154	10,554	7,609	5,685	4,823	103,857
Milk sherbet mix	2,976	3,043	2,018	1,487	1,138	963	23,358
"Mellorine type" mix	2,818	2,850	2,279	1,986	1,497	1,265	25,051

5/ Milkfat content not less than 4.0 percent.
6/ Milkfat content less than 4.0 percent. This product is not legal in interstate commerce and in many States.
7/ Includes some dry ice milk mix.
8/ Includes freezer-made milkshake. See footnotes page 59.
9/ Includes milkshake mix.

Table 8.-Manufactured dairy products: Production of specified products, United States, by months, 1960, revised

Product	Plants	January	February	March	April	May	June
	Number	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
Butter, creamery	1,659	117,918	118,997	130,270	128,032	147,951	139,674
Cheese:							
American:							
Cheddar	949	56,038	58,798	71,189	84,700	104,816	103,574
Other types, whole milk 1/	197	6,720	7,318	8,592	8,008	10,297	11,279
Total, whole milk	1,008	62,758	66,116	79,781	92,708	115,113	114,853
Part skim	18	502	521	459	524	606	577
Swiss, including block	164	9,016	8,656	9,610	9,978	12,482	12,305
Munster	94	2,047	1,913	2,142	2,073	2,302	2,052
Brick	101	2,325	2,214	2,099	2,196	2,386	2,572
Limburger	11	302	249	295	286	330	296
All Italian types	193	13,141	12,888	14,202	14,870	13,838	13,438
Cream	33	8,294	7,913	10,225	7,115	7,253	8,178
Neufchatel	15	853	614	586	563	527	528
Blue mold 2/	23	1,316	1,260	1,368	1,281	1,357	1,285
All other types	64	1,613	1,736	1,961	1,749	1,931	1,854
Total 3/	1,419	102,172	104,080	122,728	133,343	158,125	157,938
Full-skim American type cheese	16	338	322	293	307	445	451
Cottage cheese:							
Curd 4/	1,309	45,356	47,981	58,231	52,645	53,559	52,533
Creamed 5/	1,370	58,682	61,186	76,067	68,657	67,983	67,508
Partially creamed 6/	89	2,211	2,241	2,791	2,588	2,637	2,695
Condensed milk:							
Sweetened:							
Case goods: Unskimmed	7	4,783	4,998	6,115	6,712	6,271	5,723
Bulk goods:							
Unskimmed	48	4,048	3,808	4,302	4,783	4,840	3,893
Skimmed	75	4,292	3,950	4,534	5,032	6,117	5,173
Unsweetened: Bulk goods:							
Unskimmed	130	25,164	24,074	27,033	31,526	35,626	37,627
Skimmed	290	48,320	50,088	55,640	63,893	72,727	75,203
Evaporated milk, unsweetened:							
Case goods: Unskimmed	72	132,744	137,216	159,276	202,638	264,971	245,100
Skimmed	6	905	1,078	1,049	1,087	841	839
Condensed or evaporated buttermilk	18	703	746	757	719	751	942
Condensed whey	38	6,552	5,839	6,893	6,760	7,832	8,651
Dry milk:							
Whole milk	61	8,289	7,307	8,747	8,523	9,179	8,791
Nonfat dry milk for human food:							
Spray process	327	140,294	146,401	157,097	168,762	200,791	187,645
Roller process	140	10,965	11,475	12,921	15,489	21,718	19,237
Total	442	151,259	157,876	170,018	184,251	222,509	206,882
Skim milk for animal feed	254	1,776	2,069	2,254	2,356	2,625	2,431
Whey	97	21,668	20,599	24,324	24,100	28,423	27,696
Buttermilk	214	7,604	7,593	8,563	8,209	9,401	9,302
Malted milk powder	4	1,480	2,499	2,462	2,246	2,254	2,342
Milk sugar, crude	12	3,882	3,801	4,972	5,267	4,864	4,584
Dry ice cream mix 7/	10	186	123	288	169	358	375
Frozen products and mix:							
Ice cream: By establishments with annual output of:		1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.
20,000 gal. and over	1,950	42,379	45,726	50,692	54,250	59,033	68,143
Less than 20,000 gal.	14,641	1,928	2,172	2,813	3,906	4,916	6,018
Total	16,591	44,307	47,898	53,505	58,156	63,949	74,161
Ice milk 8/	23,843	6,354	7,047	9,055	12,613	14,780	17,915
Milk sherbet	5,067	1,867	2,059	2,599	3,496	4,349	5,437
Other frozen dairy products	194	179	222	278	436	580	693
"Mellorine type" frozen desserts	1,242	2,537	2,913	3,454	3,830	4,350	5,339
Water ices	2,376	673	961	1,725	3,787	4,920	5,974
Ice cream mix	2,425	23,207	24,873	27,749	31,025	33,835	39,267
Ice milk mix 9/	1,637	3,845	4,273	5,583	8,211	9,363	11,386
Milk sherbet mix	1,351	1,026	1,168	1,489	2,173	2,675	3,306
"Mellorine type" mix	280	1,330	1,519	1,806	2,075	2,376	2,898

1/ Includes Colby, washed curd, high and low moisture jack, Monterey, and granular.
2/ Includes Gorgonzola.
3/ Excluding full-skim American and cottage cheese.
4/ Used for processing into full or partially creamed cottage cheese or for sale to consumers in dry form. Includes pot and bakers' cheese.

Continued

Table 8.-Manufactured dairy products: Production of specified products, United States, by months, 1960, revised--Cont.

Product	July	August	September	October	November	December	Total
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
Butter, creamery	114,902	96,455	82,499	93,405	93,888	108,910	1,372,901
Cheese:							
American:							
Cheddar	86,967	75,369	63,132	62,390	59,510	67,839	894,322
Other types, whole milk 1/	9,376	8,959	8,374	7,760	6,782	8,331	101,796
Total, whole milk	96,343	84,328	71,506	70,150	66,292	76,170	996,118
Part skim	509	511	494	745	529	454	6,431
Swiss, including block	11,531	10,615	9,609	9,530	8,555	9,194	121,081
Munster	1,829	1,706	1,782	1,946	1,953	2,012	23,757
Brick	2,302	1,968	2,053	2,245	2,163	2,025	26,548
Limburger	237	216	286	298	302	339	3,436
All Italian types	11,887	11,710	11,506	12,932	12,558	14,563	157,533
Cream	6,581	6,849	7,477	8,746	9,597	10,867	99,095
Neufchatel	460	384	504	902	716	700	7,342
Blue mold 2/	1,146	1,137	1,064	1,357	1,235	1,363	15,169
All other types	1,521	1,591	1,755	1,896	1,891	1,965	21,463
Total 3/	134,346	121,015	108,036	110,747	105,791	119,652	1,477,973
Full-skim American type cheese	401	363	334	426	353	375	4,408
Cottage cheese:							
Curd 4/	50,242	50,430	47,850	47,173	44,173	42,427	592,600
Creamed 5/	65,638	65,732	63,212	61,216	57,486	55,506	768,873
Partially creamed 6/	2,573	2,608	2,339	2,336	2,119	1,978	29,116
Condensed milk:							
Sweetened:							
Case goods: Unskimmed	5,724	5,455	5,695	6,038	5,517	4,799	67,830
Bulk goods:							
Unskimmed	3,475	4,019	4,209	3,890	3,151	3,353	47,771
Skimmed	4,302	5,003	4,938	4,920	4,277	3,563	56,101
Unsweetened: Bulk goods:							
Unskimmed	37,813	38,429	32,086	29,544	28,117	26,195	373,234
Skimmed	72,200	73,773	59,726	54,414	50,464	51,282	727,730
Evaporated milk, unsweetened:							
Case goods: Unskimmed	222,596	202,802	170,906	160,250	139,178	139,590	2,177,267
Skimmed	850	886	645	932	923	1,128	11,163
Condensed or evaporated buttermilk	839	716	593	463	520	610	8,359
Condensed whey	7,538	7,286	7,602	7,625	6,835	7,497	86,960
Dry milk:							
Whole milk	6,709	6,999	8,195	9,023	8,465	7,771	97,998
Nonfat dry milk for human food:							
Spray process	145,888	111,721	88,789	99,996	99,581	125,289	1,672,254
Roller process	12,837	9,897	8,021	8,000	7,141	8,650	146,351
Total	158,725	121,618	96,810	107,996	106,722	133,939	1,818,605
Skim milk for animal feed	2,089	2,189	1,867	2,205	1,922	2,087	25,870
Whey	25,342	23,883	19,992	20,378	20,937	19,518	276,360
Buttermilk	7,486	5,930	4,501	5,569	5,631	6,652	36,441
Malted milk powder	1,199	2,200	1,933	1,900	1,986	2,041	24,542
Milk sugar, crude	4,233	3,807	3,325	3,559	3,936	3,866	50,096
Dry ice cream mix 7/	164	108	63	29	21	67	1,951
Frozen products and mix:							
Ice cream: By establishments with annual output of:	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.
20,000 gal. and over	66,001	69,488	60,496	48,247	44,681	41,885	651,021
Less than 20,000 gal.	6,496	6,352	4,475	3,066	2,433	1,956	46,531
Total	72,497	75,840	64,971	51,313	47,114	43,841	697,552
Ice milk 8/	18,782	18,943	14,766	10,173	7,681	6,520	144,629
Milk sherbet	5,598	5,221	3,784	2,404	1,959	1,802	40,575
Other frozen dairy products	670	654	513	301	215	172	4,913
"Mellorine type" frozen desserts	4,921	5,118	4,375	3,384	2,738	2,255	45,214
Water ices	5,448	4,659	2,551	1,220	805	638	33,361
Ice cream mix	38,382	40,465	34,177	27,016	24,550	23,267	367,813
Ice milk mix 9/	11,985	11,916	9,270	6,495	5,009	4,324	91,660
Milk sherbet mix	3,330	3,154	2,257	1,363	1,133	996	24,070
"Mellorine type" mix	2,657	2,789	2,352	1,865	1,481	1,249	24,397

5/ Milkfat content not less than 4.0 percent.
6/ Milkfat content less than 4.0 percent. This product is not legal in interstate commerce and in many States.
7/ Includes some dry ice milk mix.
8/ Includes freezer-made milkshake. See footnotes page 59.
9/ Includes milkshake mix.

Table 9.-Manufactured dairy products: Production of specified products, United States, 1956-61

Product	1956	1957	1958	1959	1960	1961
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
Butter, creamery	1,413,344	1,414,060	1,389,575	1,334,385	1/1,372,901	1,484,047
Cheese:						
American:						
Cheddar	889,284	926,746	882,529	849,145	1/894,322	1,020,939
Other types, whole milk 2/	101,970	94,982	95,444	93,372	101,796	123,691
Total, whole milk	991,254	1,021,728	977,973	942,517	1/996,118	1,144,630
Part skim	2,395	4,646	5,649	5,359	6,431	7,079
Swiss, including block	123,216	100,048	107,114	111,901	121,081	120,508
Munster	18,061	18,782	21,734	23,605	23,757	22,987
Brick	26,352	26,470	26,430	24,433	26,548	23,687
Limburger	4,642	4,371	3,607	3,712	3,436	3,308
All Italian types	101,738	111,620	130,557	140,765	1/157,533	161,799
Cream	76,390	77,570	84,058	90,475	99,095	102,140
Neufchatel	11,529	11,178	10,850	8,441	7,342	7,371
Blue mold 3/	16,663	16,864	11,447	12,710	15,169	16,205
All other types	20,652	20,146	19,965	19,143	1/21,463	20,658
Total 4/	1,387,692	1,407,423	1,399,384	1,383,061	1/1,477,973	1,630,372
Full-skim American type cheese	3,247	3,327	4,927	4,344	4,408	4,519
Cottage cheese:						
Curd 5/	534,652	546,453	552,211	576,204	1/592,600	578,265
Creamed 6/	663,526	693,526	708,105	738,754	1/768,873	774,311
Partially creamed 7/	-	31,349	27,102	29,123	1/29,116	27,806
Condensed milk:						
Sweetened:						
Case goods: Unskimmed	69,725	59,860	57,054	60,646	67,830	69,837
Bulk goods:						
Unskimmed	48,437	50,011	53,634	49,654	47,771	46,135
Skimmed	75,493	80,330	69,503	69,139	56,101	48,835
Unsweetened: Bulk goods:						
Unskimmed	294,591	314,807	342,580	364,823	1/373,234	391,189
Skimmed	655,254	677,797	643,453	714,260	1/727,730	791,694
Evaporated milk, unsweetened:						
Case goods: Unskimmed	2,540,141	2,447,637	2,298,332	2,267,961	2.177,267	2,117,467
Skimmed	10,777	6,616	11,624	10,712	11,163	11,995
Condensed or evaporated buttermilk	49,691	26,177	19,374	13,858	8,359	6,564
Condensed whey	180,893	139,296	121,460	103,351	86,960	99,176
Dry milk:						
Whole milk 8/	110,315	103,174	87,702	90,383	97,998	81,695
Nonfat dry milk for human food:						
Spray process	1,318,882	1,473,970	1,558,918	1,584,139	1/1,672,254	1,880,279
Roller process	171,012	149,910	150,746	139,073	1/146,351	133,066
Total	1,489,894	1,623,880	1,709,664	1,723,212	1/1,818,605	2,013,345
Skim milk for animal feed	19,262	21,203	21,182	23,295	25,870	27,679
Cream	756	539	628	9/	9/	241
Whey	211,984	232,380	233,261	247,329	276,860	265,059
Buttermilk	64,269	70,358	77,160	81,475	1/86,441	89,036
Malted milk powder	31,223	34,606	32,768	26,599	24,542	23,986
Frozen products and mix:	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.
Ice cream, total	641,333	650,583	658,026	698,931	1/697,552	694,712
Ice milk 10/	103,052	111,165	117,404	134,216	1/144,629	161,163
Milk sherbet	35,721	36,712	37,083	40,396	1/40,575	39,878
Other frozen dairy products	3,430	3,317	3,936	4,434	1/4,913	4,463
"Mellorine type" frozen desserts	33,473	34,161	39,690	42,399	1/45,214	48,025
Total frozen dairy products 11/	817,009	835,938	856,139	920,376	1/932,883	948,241
Water ices	27,464	28,149	28,405	35,111	1/33,361	32,866
Ice cream mix	341,771	346,341	347,698	374,106	1/367,813	366,404
Ice milk mix 12/	62,741	70,460	75,261	84,855	1/91,660	103,857
Milk sherbet mix	21,228	22,101	21,560	23,502	1/24,070	23,358
"Mellorine type" mix	17,717	18,522	21,068	22,354	1/24,397	25,051

1/ Revised.
2/ Includes Colby, washed curd, high and low moisture jack, Monterey, and granular.
3/ Includes Gorgonzola.
4/ Excludes full-skim American and cottage cheese.
5/ Used for processing into full or partially creamed cottage cheese or for sale to comsumers in dry form. Includes pot and bakers' cheese.
6/ Milkfat content not less than 4.0 percent.
7/ Milkfat content less than 4.0 percent. This product is not legal in interstate commerce and in many States. Not reported separately for years prior to 1957.
8/ Sweetened and unsweetened. 9/ Production not shown when less than 3 plants reported or individual plant operations might be disclosed. 10/ Freezer-made milkshake included beginning in 1957. See footnotes page 59. 11/ Includes all frozen products except water ices. 12/ Milkshake mix included beginning in 1957.

Table 10.-Manufactured dairy products: Production of specified products, by geographic divisions, United States, 1960 and 1961

Product	New England		Middle Atlantic		East North Central	
	1960	1961	1960	1961	1960	1961
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
Butter, creamery	2,882	5,516	55,401	77,352	1/402,879	440,214
Cheese:						
American:						
Cheddar	7,519	8,135	38,647	43,504	457,258	488,639
Other types, whole milk 2/	3/	3/	4,072	4,499	70,686	85,579
Total, whole milk	7,714	8,319	42,719	48,003	527,944	574,218
Part skim	-	3/	3/	21	4,222	4,566
Swiss, including block	-	-	1,716	3,597	74,463	77,430
Munster	-	-	3/	-	23,099	21,743
Brick	-	-	21	23	25,856	23,218
Limburger	-	-	905	916	2,531	2,136
All Italian types	6,185	6,327	1/32,743	37,619	1/112,831	111,388
Cream	925	797	45,290	46,484	32,964	34,664
Neufchatel	3/	104	3,371	3,670	1,738	3/
Blue mold 4/	-	-	-	-	12,903	13,912
All other types	287	253	1/ 7,060	6,978	11,531	11,474
Total 5/	15,241	16,733	1/133,874	147,311	1/830,082	875,714
Full-skim American type cheese	3/	3/	149	3/	3,266	3,705
Cottage cheese:						
Curd 6/	35,496	34,134	110,105	106,848	1/178,525	171,418
Creamed 7/	23,851	30,647	126,475	127,102	1/244,501	244,657
Partially creamed 8/	-	-	5,557	4,701	-	-
Condensed milk:						
Sweetened:						
Case goods: Unskimmed	-	-	-	-	17,476	3/
Bulk goods:						
Unskimmed	3/	3/	3,588	2,519	32,640	32,965
Skimmed	485	3/	13,169	14,472	21,171	17,411
Unsweetened: Bulk goods:						
Unskimmed	22,083	16,401	157,142	173,791	1/ 69,592	59,720
Skimmed	12,671	13,879	127,450	136,506	1/252,727	279,614
Evaporated milk, unsweetened:						
Case goods: Unskimmed	-	-	131,814	135,582	723,253	637,405
Skimmed	-	-	-	-	10,647	11,493
Condensed or evaporated buttermilk	-	-	3/	3/	3/	3/
Condensed whey	-	-	3/	1,262	49,410	56,866
Dry milk:						
Whole milk	289	3/	26,743	17,457	55,539	46,013
Nonfat dry milk for human food:						
Spray process	23,760	28,938	167,718	206,769	536,024	592,363
Roller process	8,323	14,405	37,123	30,321	32,821	30,626
Total	32,083	43,343	204,841	237,090	568,845	622,989
Skim milk for animal feed	705	528	1,425	1,341	7,960	9,578
Whey	3/	3/	13,052	9,206	125,479	107,578
Buttermilk	-	-	1,730	2,600	26,057	27,571
Malted milk powder	-	-	-	-	24,542	23,986
Milk sugar, crude	-	-	3/	3/	35,957	20,664
Dry ice cream mix	-	-	3/	3/	1,432	3/
Frozen products and mix:						
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	44,871	45,582	147,986	149,873	1/154,279	154,881
Less than 20,000 gal.	3,677	3,287	20,943	19,791	1/ 8,424	7,419
Total	48,548	48,869	168,929	169,664	1/162,703	162,300
Ice milk 9/	3,941	4,391	7,325	9,517	1/ 23,687	31,188
Milk sherbet	2,509	2,757	1/5,204	5,664	1/ 11,249	9,299
Other frozen dairy products	215	170	1/1,248	1,183	1,083	984
"Mellorine type" frozen desserts	-	-	-	-	2,789	2,433
Water ices	2,070	2,261	8,772	8,161	1/ 6,304	6,163
Ice cream mix	25,367	22,980	90,004	91,642	1/ 86,914	90,576
Ice milk mix	2,150	2,334	3,665	5,558	17,373	22,493
Milk sherbet mix	1,531	1,617	3,028	3,410	1/ 7,375	5,742
"Mellorine type" mix	-	-	-	-	1,691	1,579

See footnotes pages 20 and 21.

Continued

Table 10.-Manufactured dairy products: Production of specified products, by geographic divisions, United States, 1960 and 1961--Cont.

Product	West North Central		South Atlantic		South Central	
	1960	1961	1960	1961	1960	1961
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
Butter, creamery	1/720,243	750,821	10,422	13,012	1/52,404	62,095
Cheese:						
American:						
Cheddar	1/195,987	241,427	8,354	12,672	136,763	175,672
Other types, whole milk 2/	7,459	9,424	-	-	2,271	5,250
Total, whole milk	1/203,446	250,851	8,354	12,672	139,034	180,922
Part skim	1,855	3/	-	-	3/	-
Swiss, including block	20,075	17,493	-	-	3/	3/
Munster	-	3/	-	-	3/	3/
Brick	48	3/	-	-	3/	3/
Limburger	-	3/	-	-	-	3/
All Italian types	701	313	-	-	-	-
Cream	3/	3/	-	-	3/	3/
Neufchatel	3/	3/	-	-	3/	3/
Blue mold 4/	1,946	1,974	3/	3/	-	-
All other types	3	6	-	-	420	264
Total 5/	1/235,708	280,235	8,363	12,685	154,459	194,924
Full-skim American type cheese	770	534	-	-	-	-
Cottage cheese:						
Curd 6/	59,874	58,692	26,966	27,470	1/45,338	43,957
Creamed 7/	1/80,929	81,260	37,800	38,545	1/62,651	61,371
Partially creamed 8/	1/ 1,627	1,981	-	-	1/ 7,324	6,107
Condensed milk:						
Sweetened:						
Case goods: Unskimmed	-	-	-	-	3/	3/
Bulk goods:						
Unskimmed	7,760	7,944	156	125	1,253	1,400
Skimmed	2,832	2,712	8,992	7,220	3,063	2,137
Unsweetened: Bulk goods:						
Unskimmed	4,042	4,882	54,868	71,007	35,062	30,283
Skimmed	70,653	90,647	50,014	46,647	90,342	97,326
Evaporated milk, unsweetened:						
Case goods: Unskimmed	184,718	166,453	217,542	245,583	492,043	518,031
Skimmed	3/	3/	-	-	-	-
Condensed or evaporated buttermilk	7,523	6,025	3/	3/	3/	-
Condensed whey	33,393	36,934	-	-	3/	-
Dry milk:						
Whole milk	12,088	11,385	133	3/	-	-
Nonfat dry milk for human food:						
Spray process	732,974	809,701	1/18,181	23,448	24,820	34,449
Roller process	1/ 49,622	37,995	4,467	6,134	5,325	6,537
Total	1/782,596	847,696	1/22,648	29,582	30,145	40,986
Skim milk for animal feed	12,087	13,042	427	157	152	215
Whey	76,856	83,114	-	-	37,183	39,634
Buttermilk	1/ 53,370	53,325	-	3/	1,109	1,674
Malted milk powder	-	-	-	-	-	-
Milk sugar, crude	3/	3/	-	-	-	-
Dry ice cream mix	-	3/	-	-	3/	3/
Frozen products and mix:						
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	1/62,601	60,985	1/82,855	83,359	1/67,246	64,558
Less than 20,000 gal.	1/ 3,358	3,017	3,460	3,096	2,057	1,718
Total	1/65,959	64,002	1/86,315	86,455	1/69,303	66,276
Ice milk 9/	20,890	21,942	1/25,951	29,921	26,295	28,109
Milk sherbet	3,065	3,030	1/ 5,220	5,269	1/ 5,588	5,797
Other frozen dairy products	430	600	697	500	1/ 1,042	815
"Mellorine type" frozen desserts	3,908	3,689	163	188	1/26,207	27,328
Water ices	1/ 2,039	2,333	5,412	4,869	1/ 3,916	3,939
Ice cream mix	1/36,251	34,187	1/45,318	44,450	1/35,722	33,833
Ice milk mix	1/13,143	13,531	1/15,447	18,130	1/15,469	17,314
Milk sherbet mix	1,808	1,791	1/ 3,003	2,999	1/ 3,195	3,294
"Mellorine type" mix	1,735	1,581	82	97	1/15,010	14,864

1/ Revised.
2/ Includes Colby, washed curd, high and low moisture jack, Monterey, and granular.
3/ Data not shown when less than 3 plants reported or individual plant operations might be disclosed.
4/ Includes Gorgonzola.
5/ Excluding full-skim American and cottage cheese.

Continued

Footnotes table 10. Continued page 21.

Table 10.-Manufactured dairy products: Production of specified products, by geographic divisions, United States, 1960 and 1961--Cont.

Product	Mountain		Pacific		United States		
	1960	1961	1960	1961	1960	1961	Percentage change
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	Percent
Butter, creamery	59,779	60,654	68,891	74,383	1/1,372,901	1,484,047	+ 8
Cheese:							
American:							
Cheddar	28,008	30,028	21,786	20,862	1/894,322	1,020,939	+ 14
Other types, whole milk 2/	12,757	13,003	4,356	5,752	101,796	123,691	+ 22
Total, whole milk	40,765	43,031	26,142	26,614	1/996,118	1,144,630	+ 15
Part skim	223	208	3/	3/	6,431	7,079	+ 10
Swiss, including block	16,257	14,759	-	-	121,081	120,508	0
Munster	3/	3/	-	-	23,757	22,987	- 3
Brick	188	3/	3/	-	26,548	23,687	- 11
Limburger	-	-	-	-	3,436	3,308	- 4
All Italian types	110	128	4,963	6,024	1/157,533	161,799	+ 3
Cream	-	-	8,767	9,185	99,095	102,140	+ 3
Neufchatel	-	-	3/	3/	7,342	7,371	0
Blue mold 4/	3/	3/	3/	3/	15,169	16,205	+ 7
All other types	3/	448	1,520	1,235	1/ 21,463	20,658	- 4
Total 5/	58,210	58,841	42,036	43,929	1/1,477,973	1,630,372	+ 10
Full-skim American type cheese	-	-	3/	-	4,408	4,519	+ 3
Cottage cheese:							
Curd 6/	24,301	24,793	111,995	110,953	1/592,600	578,265	- 2
Creamed 7/	37,194	38,122	155,472	152,607	1/768,873	774,311	+ 1
Partially creamed 8/	-	-	14,603	15,017	1/ 29,116	27,806	- 4
Condensed milk:							
Sweetened:							
Case goods: Unskimmed	-	-	33,850	36,226	67,830	69,837	+ 3
Bulk goods:							
Unskimmed	689	466	1,407	691	47,771	46,135	- 3
Skimmed	1,583	3/	4,806	3,785	56,101	48,835	- 13
Unsweetened: Bulk goods:							
Unskimmed	5,033	5,064	25,412	30,041	1/373,234	391,189	+ 5
Skimmed	13,376	9,280	110,497	117,795	1/727,730	791,694	+ 9
Evaporated milk, unsweetened:							
Case goods: Unskimmed	132,956	128,367	294,941	286,046	2,177,267	2,117,467	- 3
Skimmed	-	-	-	-	11,163	11,995	+ 7
Condensed or evaporated buttermilk	-	-	3/	3/	8,359	6,564	- 21
Condensed whey	-	-	2,419	4,114	86,960	99,176	+ 14
Dry milk:							
Whole milk	362	743	2,844	2,228	97,998	81,695	- 17
Nonfat dry milk for human food:							
Spray process	72,199	74,955	96,578	109,656	1/1,672,254	1,880,279	+ 12
Roller process	3/	247	8,605	6,801	1/ 146,351	133,066	- 9
Total	72,264	75,202	105,183	116,457	1/1,818,605	2,013,345	+ 11
Skim milk for animal feed	584	514	2,530	2,304	25,870	27,679	+ 7
Whey	5,440	5,289	15,379	16,446	276,860	265,059	- 4
Buttermilk	1,755	1,679	2,420	2,112	1/ 86,441	89,036	+ 3
Malted milk powder	-	-	-	-	24,542	23,986	- 2
Milk sugar, crude	-	-	5,085	3/	50,096	35,528	- 29
Dry ice cream mix	-	-	243	3/	1,951	1,949	0
rozen products and mix:							
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	21,108	21,400	70,075	71,676	1/651,021	652,314	0
Less than 20,000 gal.	1/1,723	1,437	2,889	2,633	1/ 46,531	42,398	- 9
Total	1/22,831	22,837	72,964	74,309	1/697,552	694,712	0
Ice milk 9/	8,500	8,428	28,040	27,667	1/144,629	161,163	+ 11
Milk sherbet	1/1,556	1,573	6,184	6,489	1/ 40,575	39,878	- 2
Other frozen dairy products	1/ 67	59	131	152	1/ 4,913	4,463	- 9
"Mellorine type" frozen desserts	639	805	11,508	13,582	1/ 45,214	48,025	+ 6
Water ices	1/986	1,012	3,862	4,128	1/ 33,361	32,866	- 1
Ice cream mix	11,889	11,446	36,348	37,290	1/367,813	366,404	0
Ice milk mix	5,383	5,604	19,030	18,893	1/ 91,660	103,857	+ 13
Milk sherbet mix	1/948	1,010	3,182	3,495	1/ 24,070	23,358	- 3
"Mellorine type" mix	339	368	5,540	6,562	1/ 24,397	25,051	+ 3

Footnotes for table 10 continued.

6/ Used for processing into full or partially creamed cottage cheese or for sale to consumers in dry form. Includes pot and bakers' cheese.

7/ Milkfat content not less than 4.0 percent.

8/ Milkfat content less than 4.0 percent. This product is not legal in interstate commerce and in many States.

9/ Includes freezer-made milkshake. See footnotes page 59.

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961

Product	Alabama		Arizona		Arkansas		California	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	2/	2/	2/	2/	3,324	3,836	34,304	39,349
Cheese:								
American:								
Cheddar	2,864	4,388	-	-	19,055	24,767	284	348
Other types, whole milk 3/	-	-	-	-	2/	2/	3,155	3,073
Total, whole milk	2,864	4,388	-	-	20,785	25,426	3,439	3,421
Part skim	-	-	-	-	-	-	2/	2/
Swiss, including block	-	-	-	-	2/	2/	-	-
Munster	-	-	-	-	2/	2/	-	-
Brick	-	-	-	-	2/	2/	2/	-
Limburger	-	-	-	-	-	2/	-	-
All Italian types	-	-	-	-	-	-	4,623	5,529
Cream	-	-	-	-	-	-	8,767	9,185
Neufchatel	-	-	-	-	-	-	2/	2/
Blue mold 4/	-	-	-	-	-	-	2/	2/
All other types	-	-	2/	2/	-	-	1,066	1,053
Total 5/ 6/	2,864	4,388	2/	2/	25,644	29,480	18,259	19,845
Full-skim American type cheese	-	-	-	-	-	-	2/	-
Cottage cheese:								
Curd 7/ 8/	1,956	2,002	4,110	4,769	1,301	1,680	86,607	86,127
Creamed 9/	1/2,286	2,309	5,814	7,029	2,221	2,560	115,895	112,973
Partially creamed 10/	1/ 398	2/	-	-	-	-	13,839	14,246
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	33,850	36,226
Bulk goods:								
Unskimmed	-	-	2/	2/	-	-	694	644
Skimmed	-	-	2/	-	2/	2/	2/	2/
Unsweetened: Bulk goods:								
Unskimmed	-	-	965	2/	-	-	15,831	19,607
Skimmed	-	-	6,354	2,255	2/	2/	98,068	99,887
Evaporated milk, unsweetened:								
Case goods: Unskimmed	-	-	-	-	2/	2/	231,087	212,325
Skimmed	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	-	-	-	-
Condensed whey	-	-	-	-	-	-	1,744	2,614
Dry milk:								
Whole milk	-	-	-	-	-	-	2,322	1,729
Nonfat dry milk for human food:								
Spray process	-	-	2/	-	-	2/	67,468	75,623
Roller process	-	-	-	-	-	-	4,213	5,282
Total	-	-	2/	-	-	2/	71,681	80,905
Skim milk for animal feed	-	-	2/	-	-	-	934	1,363
Whey	-	-	-	-	8,558	7,855	2/	2/
Buttermilk	-	-	-	-	-	-	1,217	1,061
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	-	-	-	-	2/	2/
Dry ice cream mix	-	-	-	-	-	-	2/	2/
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	1/8,604	7,782	3,340	3,243	2,537	2,401	54,279	55,143
Less than 20,000 gal.	82	85	135	88	186	119	1,372	1,278
Total	1/8,686	7,867	3,475	3,331	2,723	2,520	55,651	56,421
Ice milk 11/	4,063	4,683	1,206	1,114	1,973	1,935	21,644	21,313
Milk sherbet	1/ 589	631	206	265	131	126	5,195	5,432
Other frozen dairy products	1/ 2/	2/	-	-	14	13	-	-
"Mellorine type" frozen desserts	1/ 448	445	318	487	922	971	10,774	12,846
Water ices	1/ 456	411	300	266	112	125	3,556	3,774
Ice cream mix	1/4,500	4,041	1,958	1,561	1,521	1,432	27,288	27,578
Ice milk mix 12/	2,439	2,656	974	798	1,674	1,825	14,020	13,400
Milk sherbet mix	358	428	114	161	72	74	2,659	2,871
"Mellorine type" mix	218	218	157	206	614	590	5,176	6,195

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Colorado		Connecticut		Delaware		D. C.		Florida	
	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	10,532	10,223	-	-	-	-	-	-	2/	-
Cheese:										
American:										
Cheddar	1,953	1,709	-	-	-	-	-	-	-	-
Other types, whole milk 3/	2/	2/	-	-	-	-	-	-	-	-
Total, whole milk	2,574	2,664	-	-	-	-	-	-	-	-
Part skim	188	193	-	-	-	-	-	-	-	-
Swiss, including block	-	-	-	-	-	-	-	-	-	-
Munster	-	-	-	-	-	-	-	-	-	-
Brick	-	-	-	-	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-	-	-
All Italian types	2/	2/	1,163	1,432	-	-	-	-	-	-
Cream	-	-	2/	2/	-	-	-	-	-	-
Neufchatel	-	-	-	-	-	-	-	-	-	-
Blue mold 4/	-	-	-	-	-	-	-	-	-	-
All other types	-	-	-	-	-	-	-	-	-	-
Total 5/ 6/	2,847	2,962	1,166	1,435	-	-	-	-	-	-
Full-skim American type cheese	-	-	-	-	-	-	-	-	-	-
Cottage cheese:										
Curd 7/ 8/	7,777	7,773	7,003	6,608	31	30	2/	2/	2,961	3,339
Creamed 9/	11,696	11,560	1,765	1,607	23	24	2/	2/	4,216	4,863
Partially creamed 10/	-	-	-	-	-	-	-	-	-	-
Condensed milk:										
Sweetened:										
Case goods: Unskimmed	-	-	-	-	-	-	-	-	-	-
Bulk goods:										
Unskimmed	2/	2/	2/	-	-	-	-	-	-	-
Skimmed	1,548	2/	-	-	-	-	-	-	-	-
Unsweetened: Bulk goods:										
Unskimmed	2/	2/	2/	2/	-	-	-	-	-	-
Skimmed	1,956	2,475	-	-	-	-	-	-	-	-
Evaporated milk, unsweetened:										
Case goods: Unskimmed	2/	2/	-	-	-	-	-	-	-	-
Skimmed	-	-	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	-	-	-	-	-	-
Condensed whey	-	-	-	-	-	-	-	-	-	-
Dry milk:										
Whole milk	-	-	-	-	-	-	-	-	-	-
Nonfat dry milk for human food:										
Spray process	-	-	-	-	-	-	-	-	-	-
Roller process	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Skim milk for animal feed	-	-	-	-	-	-	-	-	-	-
Whey	-	-	-	-	-	-	-	-	-	-
Buttermilk	2/	2/	-	-	-	-	-	-	-	-
Malted milk powder	-	-	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	-	-	-	-	-	-	-	-
Dry ice cream mix	-	-	-	-	-	-	-	-	-	-
Frozen products and mix:										
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	7,329	7,346	7,945	7,508	2/	2/	1/7,240	6,988	18,638	18,552
Less than 20,000 gal.	344	316	905	864	116	142	281	429	445	335
Total	7,673	7,662	8,850	8,372	3,595	4,811	1/7,521	7,417	19,083	18,887
Ice milk 11/	2,431	2,346	927	949	336	571	1/508	478	6,665	7,085
Milk sherbet	1/ 545	535	270	382	185	234	1/402	320	1,188	1,210
Other frozen dairy products	1/ 64	59	2/	2/	2/	2/	2/	2/	-	-
"Mellorine type" frozen desserts	-	-	-	-	-	-	-	-	-	-
Water ices	1/ 277	269	438	379	73	64	149	136	735	684
Ice cream mix	3,980	3,897	5,402	3,048	1,826	2,476	1/2,983	2,725	9,698	8,745
Ice milk mix 12/	1,648	1,687	191	199	2/	2/	1/ 156	140	3,974	4,440
Milk sherbet mix	1/ 292	323	94	170	121	2/	1/ 136	56	630	618
"Mellorine type" mix	-	-	-	-	-	-	-	-	-	-

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Georgia		Idaho		Illinois		Indiana	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	2/	2/	34,038	34,507	35,347	37,269	1/17,454	25,111
Cheese:								
American:								
Cheddar	2/	2/	16,355	18,619	20,740	22,154	6,830	9,747
Other types, whole milk 3/	-	-	11,528	11,400	4,742	8,966	18,749	19,838
Total, whole milk	2/	2/	27,883	30,019	25,482	31,120	25,579	29,585
Part skim	-	-	2/	2/	2/	2/	1,625	1,393
Swiss, including block	-	-	8,128	7,333	37,750	37,237	2/	2/
Munster	-	-	2/	2/	1,064	1,922	5,443	4,219
Brick	-	-	2/	2/	918	589	5,050	5,840
Limburger	-	-	-	-	-	-	-	-
All Italian types	-	-	-	-	9,278	9,372	2/	2/
Cream	-	-	-	-	1,209	1,236	-	2/
Neufchatel	-	-	-	-	-	-	-	-
Blue mold 4/	-	-	2/	2/	2/	2/	2/	2/
All other types	-	-	2/	2/	856	801	-	214
Total 5/ 6/	2/	2/	36,733	37,926	78,505	84,695	38,152	41,658
Full-skim American type cheese	-	-	-	-	-	2/	2/	2/
Cottage cheese:								
Curd 7/ 8/	1,731	1,811	2,508	2,438	42,187	42,946	1/18,591	18,364
Creamed 9/	2,350	2,518	3,800	3,749	61,802	63,446	1/28,537	28,417
Partially creamed 10/	-	-	-	-	-	-	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	2/	2/	-	-
Bulk goods:								
Unskimmed	2/	2/	-	-	6,787	10,942	2/	-
Skimmed	2/	2/	-	-	2,677	574	217	2/
Unsweetened: Bulk goods:								
Unskimmed	2/	2/	-	-	1/6,517	4,639	16,498	8,515
Skimmed	2/	2/	2/	2/	1/23,620	26,065	47,692	40,653
Evaporated milk, unsweetened:								
Case goods: Unskimmed	-	-	2/	2/	136,920	83,603	2/	2/
Skimmed	-	-	-	-	2/	2/	2/	2/
Condensed or evaporated buttermilk	-	-	-	-	2/	2/	-	-
Condensed whey	-	-	-	-	16,827	18,571	4,351	5,266
Dry milk:								
Whole milk	-	-	2/	-	13,584	13,467	2,881	2/
Nonfat dry milk for human food:								
Spray process	1/ 2/	2/	60,563	62,405	9,449	12,052	14,728	20,166
Roller process	-	-	-	-	2/	-	1,681	2,868
Total	1/ 2/	2/	60,563	62,405	9,884	12,052	16,409	23,034
Skim milk for animal feed	-	-	416	479	372	155	550	782
Whey	-	-	2/	2/	24,913	27,516	2/	2/
Buttermilk	-	-	1,070	781	2/	2/	2/	636
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	-	-	-	-	-	-
Dry ice cream mix	-	-	-	-	2/	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	8,107	8,042	2,835	2,860	35,848	36,352	25,016	26,814
Less than 20,000 gal.	274	232	213	227	1,115	936	1/ 3,234	2,787
Total	8,381	8,274	3,048	3,087	36,963	37,288	1/28,250	29,601
Ice milk 11/	1/3,671	4,535	1,039	1,000	9,609	10,741	1,293	3,107
Milk sherbet	410	378	144	144	2,200	2,297	1/ 1,186	1,440
Other frozen dairy products	125	35	2/	-	417	471	202	133
"Mellorine type" frozen desserts	-	-	-	-	2,722	2,382	2/	2/
Water ices	395	272	57	121	1,273	1,487	1/ 617	619
Ice cream mix	1/4,596	4,575	1,461	1,479	18,459	21,340	1/14,391	15,270
Ice milk mix 12/	1/2,735	3,085	552	628	6,532	7,550	577	1,412
Milk sherbet mix	245	236	116	79	1,271	1,308	1/ 697	857
"Mellorine type" mix	-	-	-	-	1,657	1,554	2/	2/

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Iowa		Kansas		Kentucky		Louisiana	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	168,303	169,202	31,848	36,193	12,979	14,737	932	1,871
Cheese:								
American:								
Cheddar	38,857	52,687	14,647	18,145	51,019	62,542	283	326
Other types, whole milk 3/	2,519	2,682	2/	2/	-	2,870	-	-
Total, whole milk	41,376	55,369	15,093	19,286	51,019	65,412	283	326
Part skim	524	-	-	-	-	-	-	-
Swiss, including block	2/	2/	-	-	-	-	-	-
Munster	-	2/	-	-	-	-	-	-
Brick	2/	-	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-
All Italian types	2/	2/	-	-	-	-	-	-
Cream	-	-	-	-	-	-	-	-
Neufchatel	-	-	-	-	-	-	-	-
Blue mold 4/	2/	2/	-	-	-	-	-	-
All other types	2/	2/	-	-	2/	2/	-	-
Total 5/ 6/	42,885	56,321	15,093	19,286	51,215	65,564	283	326
Full-skim American type cheese	2/	-	-	-	-	-	-	-
Cottage cheese:								
Curd 7/ 8/	7,526	8,150	10,640	11,003	6,644	6,217	1/3,161	2,485
Creamed 9/	11,934	13,581	15,261	15,978	10,050	9,895	1/4,138	3,127
Partially creamed 10/	-	-	-	-	-	-	1/ 521	497
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	-	-
Bulk goods:								
Unskimmed	-	-	2/	2/	-	-	2/	2/
Skimmed	2/	412	2/	2/	2/	2/	2/	2/
Unsweetened: Bulk goods:								
Unskimmed	-	-	2/	2/	6,823	5,577	-	-
Skimmed	9,922	6,066	36,249	51,090	6,941	8,986	2/	2/
Evaporated milk, unsweetened:								
Case goods: Unskimmed	-	-	43,197	2/	216,264	214,974	2/	2/
Skimmed	-	-	2/	2/	-	-	-	-
Condensed or evaporated buttermilk	2/	2/	-	-	-	-	-	-
Condensed whey	2/	-	-	-	-	-	-	-
Dry milk:								
Whole milk	1,069	2/	2/	2/	-	-	-	-
Nonfat dry milk for human food:								
Spray process	140,211	168,326	26,628	31,255	5,585	7,424	2/	2/
Roller process	34,630	20,493	1/ 2/	2/	2/	2/	-	-
Total	174,841	188,819	1/27,688	33,623	6,636	7,781	2/	2/
Skim milk for animal feed	2,343	2,264	2/	2/	31	23	-	-
Whey	3,630	4,697	-	-	20,598	21,157	-	-
Buttermilk	9,764	10,142	979	1,335	2/	2/	-	2/
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	-	-	-	-	-	-
Dry ice cream mix	-	-	-	-	-	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	10,579	9,172	5,750	5,848	4,043	3,856	8,566	7,719
Less than 20,000 gal.	1,173	973	391	319	295	261	235	143
Total	11,752	10,145	6,141	6,167	4,338	4,117	8,801	7,862
Ice milk 11/	3,059	3,154	3,558	3,749	2,439	2,409	3,049	2,697
Milk sherbet	465	391	259	284	260	307	595	506
Other frozen dairy products	70	84	-	-	48	64	168	142
"Mellorine type" frozen desserts	-	-	-	-	-	-	708	945
Water ices	159	209	143	108	138	120	521	449
Ice cream mix	6,885	6,186	3,589	3,753	2,656	2,222	4,184	3,821
Ice milk mix 12/	1,717	1,909	2,799	2,763	1,331	1,676	1,214	1,245
Milk sherbet mix	299	211	197	196	149	176	1/ 344	295
"Mellorine type" mix	-	-	-	-	-	-	322	456

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Maine		Maryland		Massachusetts		Michigan	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	115	163	5,347	8,026	178	96	1/39,324	51,850
Cheese:								
American:								
Cheddar	-	-	2/	2/	-	-	9,884	9,089
Other types, whole milk 3/	-	-	-	-	-	-	15,939	19,638
Total, whole milk	-	-	2/	2/	-	-	25,823	28,727
Part skim	-	-	-	-	-	-	-	-
Swiss, including block	-	-	-	-	-	-	2/	-
Munster	-	-	-	-	-	-	2/	-
Brick	-	-	-	-	-	-	1,848	1,014
Limburger	-	-	-	-	-	-	2/	2/
All Italian types	2/	2/	-	-	2,720	2,801	1/5,306	4,744
Cream	-	-	-	-	922	786	2/	2/
Neufchatel	-	-	-	-	2/	2/	-	-
Blue mold 4/	-	-	-	-	-	-	2/	-
All other types	2/	2/	-	-	-	-	1,220	1,216
Total 5/ 6/	2/	361	2/	2/	3,772	3,687	1/35,123	36,111
Full-skim American type cheese	-	-	-	-	-	-	-	-
Cottage cheese:								
Curd 7/ 8/	9,067	8,794	6,884	7,356	348	393	1/40,702	36,639
Creamed 9/	11,030	11,842	9,794	10,549	1,350	519	1/54,095	52,453
Partially creamed 10/	-	-	-	-	-	-	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	2/	2/
Bulk goods:								
Unskimmed	-	-	2/	2/	-	-	-	-
Skimmed	2/	2/	2/	2/	2/	-	2/	2/
Unsweetened: Bulk goods:								
Unskimmed	2/	2/	43,953	58,469	2/	2/	1/ 2/	3,592
Skimmed	2/	2/	26,512	28,129	2/	2/	1/52,527	52,053
Evaporated milk, unsweetened:								
Case goods: Unskimmed	-	-	2/	2/	-	-	2/	2/
Skimmed	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	2/	2/	-	-	-	-
Condensed whey	-	-	-	-	-	-	2/	2/
Dry milk:								
Whole milk	-	-	2/	2/	-	-	14,708	13,602
Nonfat dry milk for human food:								
Spray process	-	-	2/	2/	2/	2/	63,444	75,901
Roller process	-	-	2/	6,032	4,099	7,883	11,101	10,542
Total	-	-	17,168	20,834	5,858	11,146	74,545	86,443
Skim milk for animal feed	-	-	425	153	52	2/	1,220	2,898
Whey	-	-	-	-	-	-	4,850	4,749
Buttermilk	-	-	-	2/	-	-	1,816	2,734
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	-	-	-	-	-	-
Dry ice cream mix	-	-	-	-	-	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	5,712	5,409	12,654	12,983	1/27,266	28,564	1/31,814	30,772
Less than 20,000 gal.	228	225	1,181	769	1,859	1,563	1/ 1,084	744
Total	5,940	5,634	13,835	13,752	1/29,125	30,127	1/32,898	31,516
Ice milk 11/	706	697	603	1,599	1,893	2,360	1/ 1,321	4,464
Milk sherbet	357	279	1,132	1,093	1,464	1,747	1/ 4,854	2,385
Other frozen dairy products	2/	23	2/	2/	176	112	-	-
"Mellorine type" frozen desserts	-	-	-	-	-	-	-	-
Water ices	177	305	1,021	1,029	1,247	1,346	1,745	1,474
Ice cream mix	2,902	2,795	8,212	8,456	1/14,726	14,721	1/19,852	20,558
Ice milk mix 12/	423	371	616	1,261	1,373	1,618	-	3,727
Milk sherbet mix	230	193	717	709	919	1,004	1/ 3,745	1,857
"Mellorine type" mix	-	-	-	-	-	-	-	-

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Minnesota		Mississippi		Missouri		Montana	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	324,599	339,337	4,592	7,314	44,979	51,661	4,537	4,424
Cheese:								
American:								
Cheddar	49,607	55,796	13,917	20,860	81,575	91,902	4,240	4,391
Other types, whole milk 3/	2/	2/	-	-	4,216	5,506	-	-
Total, whole milk	49,617	55,830	13,917	20,860	85,791	97,408	4,240	4,391
Part skim	2/	2/	-	-	-	-	-	-
Swiss, including block	2/	17,122	-	-	-	-	-	-
Munster	-	-	-	-	-	-	-	-
Brick	16	2/	-	-	-	-	2/	-
Limburger	-	-	-	-	-	2/	-	-
All Italian types	2/	2/	-	-	2/	2/	2/	2/
Cream	-	-	-	-	2/	2/	-	-
Neufchatel	-	-	-	-	2/	2/	-	-
Blue mold 4/	2/	2/	-	-	-	-	-	-
All other types	2/	2/	-	-	-	-	-	-
Total 5/ 6/	72,569	76,248	13,917	20,860	93,591	105,416	4,266	4,414
Full-skim American type cheese	729	534	-	-	10	-	-	-
Cottage cheese:								
Curd 7/ 3/	14,067	12,965	566	470	19,544	18,352	1,772	2,030
Creamed 9/	19,712	18,666	599	552	1/22,010	20,437	2,772	3,211
Partially creamed 10/	-	-	-	-	1/ 1,627	1,981	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	2/	2/	-	-	-	-
Bulk goods:								
Unskimmed	2/	2/	2/	2/	-	-	-	-
Skimmed	2/	2/	-	-	-	-	-	-
Unsweetened: Bulk goods:								
Unskimmed	-	-	8,061	7,247	2/	2/	-	-
Skimmed	13,430	10,679	6,960	7,223	10,921	22,666	-	-
Evaporated milk, unsweetened:								
Case goods: Unskimmed	2/	2/	2/	2/	2/	2/	-	-
Skimmed	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	2/	2/	-	-	772	804	-	-
Condensed whey	16,706	14,535	2/	-	15,315	21,027	-	-
Dry milk:								
Whole milk	8,364	9,673	-	-	-	-	-	-
Nonfat dry milk for human food:								
Spray process	495,575	531,568	2/	2/	27,738	24,198	-	-
Roller process	5,219	4,577	1,053	2/	2/	-	-	-
Total	500,794	536,145	6,055	8,104	28,532	24,198	-	-
Skim milk for animal feed	8,682	9,023	2/	2/	235	198	-	-
Whey	31,065	33,260	2/	2/	39,296	41,295	-	-
Buttermilk	30,473	29,216	2/	-	1,975	2,447	-	-
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	2/	2/	-	-	-	-	-	-
Dry ice cream mix	-	2/	-	-	-	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	17,850	18,193	3,098	3,182	15,468	15,097	1,629	1,665
Less than 20,000 gal.	500	610	108	101	641	532	530	430
Total	18,350	18,803	3,206	3,283	16,109	15,629	2,159	2,095
Ice milk 11/	3,486	3,991	1,949	2,078	5,851	6,099	813	929
Milk sherbet	746	787	166	191	886	865	127	145
Other frozen dairy products	92	85	38	53	2/	214	-	-
"Mellorine type" frozen desserts	-	-	-	-	3,236	3,036	319	316
Water ices	759	778	237	212	1/ 591	704	59	57
Ice cream mix	11,096	9,690	1,732	1,779	7,576	7,517	1,091	1,027
Ice milk mix 12/	3,053	3,072	1,227	1,300	2,714	2,941	490	547
Milk sherbet mix	373	346	105	110	512	502	61	73
"Mellorine type" mix	-	-	-	-	1,390	1,316	181	160

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Nebraska		Nevada		New Hampshire		New Jersey	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	56,471	59,039	381	287	2/	2/	2/	2/
Cheese:								
American:								
Cheddar	2/	2/	-	-	-	-	2/	2/
Other types, whole milk 3/	-	-	-	2/	-	-	-	-
Total, whole milk	2/	2/	-	2/	-	-	2/	2/
Part skim	-	-	-	-	-	-	-	-
Swiss, including block	-	-	-	-	-	-	-	-
Munster	-	-	-	-	-	-	-	-
Brick	-	-	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-
All Italian types	-	-	-	-	-	-	3,739	3,890
Cream	-	-	-	-	-	-	2/	2/
Neufchatel	-	-	-	-	-	-	2/	2/
Blue mold 4/	-	-	-	-	-	-	-	-
All other types	2/	-	-	-	2/	2/	2/	2/
Total 5/ 6/	2/	2/	-	2/	2/	2/	4,169	4,576
Full-skim American type cheese	-	-	-	-	-	-	2/	2/
Cottage cheese:								
Curd 7/ 8/	5,014	5,225	436	361	270	266	1,430	1,197
Creamed 9/	7,475	8,089	673	530	398	373	1,920	1,697
Partially creamed 10/	-	-	-	-	-	-	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	-	-
Bulk goods:								
Unskimmed	2/	2/	-	-	-	-	-	-
Skimmed	2/	2/	-	-	-	-	2/	-
Unsweetened: Bulk goods:								
Unskimmed	2/	2/	-	-	-	-	-	-
Skimmed	2/	2/	2/	2/	-	-	-	-
Evaporated milk, unsweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	-	-
Skimmed	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	4,808	3,521	-	-	-	-	-	-
Condensed whey	2/	2/	-	-	-	-	-	-
Dry milk:								
Whole milk	-	2/	-	2/	-	-	-	-
Nonfat dry milk for human food:								
Spray process	2/	7,639	-	-	-	-	-	-
Roller process	4,929	4,616	2/	2/	-	-	2/	2/
Total	7,751	12,255	2/	2/	-	-	2/	2/
Skim milk for animal feed	2/	420	-	-	-	-	-	-
Whey	-	-	-	-	-	-	-	2/
Buttermilk	3,520	3,363	-	-	-	-	-	-
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	-	-	-	-	-	-
Dry ice cream mix	-	-	-	-	-	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	8,710	8,124	802	716	835	929	16,455	16,986
Less than 20,000 gal.	217	237	26	4	342	248	3,864	3,640
Total	8,927	8,361	828	720	1,177	1,177	20,319	20,626
Ice milk 11/	3,254	3,193	410	329	-	17	464	544
Milk sherbet	536	521	73	60	46	54	548	606
Other frozen dairy products	104	206	-	-	2/	2/	2/	2/
"Mellorine type" frozen desserts	-	-	2/	2/	-	-	-	-
Water ices	124	204	2/	2/	2/	2/	940	876
Ice cream mix	4,488	4,401	411	375	239	244	9,072	9,146
Ice milk mix 12/	1,920	1,884	201	194	-	2/	274	336
Milk sherbet mix	313	393	43	33	8	10	254	242
"Mellorine type" mix	-	-	2/	2/	-	-	-	-

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	New Mexico		New York		North Carolina		North Dakota	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	255	240	38,395	58,284	858	703	1/56,867	56,498
Cheese:								
American:								
Cheddar	-	-	38,267	42,904	2/	2/	1/ 813	6,756
Other types, whole milk 3/	-	-	3,728	4,250	-	-	-	2/
Total, whole milk	-	-	41,995	47,154	2/	2/	1/ 813	6,757
Part skim	-	-	2/	2/	-	-	-	-
Swiss, including block	-	-	2/	2/	-	-	-	-
Munster	-	-	-	-	-	-	-	-
Brick	-	-	21	23	-	-	-	-
Limburger	-	-	905	916	-	-	-	-
All Italian types	-	-	1/26,078	29,840	-	-	-	2/
Cream	-	-	40,608	41,851	-	-	-	-
Neufchatel	-	-	1,809	1,963	-	-	-	-
Blue mold 4/	-	-	-	-	-	-	-	-
All other types	-	-	1/ 7,033	6,950	-	-	-	-
Total 5/ 6/	-	-	1/118,540	128,769	2/	2/	1/ 813	6,763
Full-skim American type cheese	-	-	2/	2/	-	-	-	-
Cottage cheese:								
Curd 7/ 8/	2,152	1,854	79,503	75,963	4,598	4,590	602	494
Creamed 9/	3,977	3,741	87,953	88,614	6,045	5,895	1,092	1,085
Partially creamed 10/	-	-	13/5,557	13/ 4,701	-	-	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	-	-
Bulk goods:								
Unskimmed	-	-	1,090	842	-	-	-	-
Skimmed	-	-	3,985	4,146	-	-	-	-
Unsweetened: Bulk goods:								
Unskimmed	-	-	119,669	118,982	5,882	6,014	-	-
Skimmed	2/	2/	70,440	70,270	4,498	893	-	-
Evaporated milk, unsweetened:								
Case goods: Unskimmed	-	-	2/	2/	2/	2/	-	-
Skimmed	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	-	-	-	-
Condensed whey	-	-	2/	2/	-	-	-	-
Dry milk:								
Whole milk	-	-	26,533	15,602	-	-	-	-
Nonfat dry milk for human food:								
Spray process	-	-	132,308	161,750	2/	-	2/	2/
Roller process	-	-	25,015	25,559	-	-	2/	955
Total	-	-	157,323	187,309	2/	-	2/	12,033
Skim milk for animal feed	-	-	805	886	-	-	2/	841
Whey	-	-	13,052	9,053	-	-	-	-
Buttermilk	-	-	1,438	1,953	-	-	1/4,236	4,266
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	2/	2/	-	-	-	-
Dry ice cream mix	-	-	2/	2/	-	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	1,209	1,303	63,545	65,828	13,113	13,113	1/2,294	2,462
Less than 20,000 gal.	93	74	9,919	9,879	556	584	1/ 228	217
Total	1,302	1,377	73,464	75,707	13,669	13,697	1/2,522	2,679
Ice milk 11/	894	874	898	1,053	7,986	9,076	645	699
Milk sherbet	94	71	1,859	1,972	780	801	73	68
Other frozen dairy products	2/	-	1,121	1,102	-	-	2/	2/
"Mellorine type" frozen desserts	-	-	-	-	-	-	-	-
Water ices	54	54	3,868	3,790	2,138	1,930	172	239
Ice cream mix	661	745	41,634	42,993	6,290	6,277	1/1,342	1,361
Ice milk mix 12/	275	355	641	1,571	4,606	5,011	1/ 320	340
Milk sherbet mix	139	140	991	1,133	485	501	57	72
"Mellorine type" mix	-	-	-	-	-	-	-	-

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Ohio		Oklahoma		Oregon		Pennsylvania	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	35,269	43,007	16,278	17,527	12,625	12,423	19,998	19,056
Cheese:								
American:								
Cheddar	1,329	2,883	8,211	12,452	19,548	18,741	2/	2/
Other types, whole milk 3/	11,244	12,750	-	-	784	1,365	344	2/
Total, whole milk	12,573	15,633	8,211	12,452	20,332	20,106	389	292
Part skim	2/	2/	-	-	-	-	2/	2/
Swiss, including block	6,961	8,584	-	-	-	-	1,657	3,536
Munster	2/	2/	-	-	-	-	2/	-
Brick	103	119	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-
All Italian types	2,835	2,504	-	-	-	-	2,926	3,889
Cream	2/	2/	-	-	-	-	4,606	4,527
Neufchatel	2/	2/	-	-	-	-	1,549	1,690
Blue mold 4/	-	-	-	-	2/	2/	-	-
All other types	1,942	1,873	-	-	-	-	2/	2/
Total 5/ 6/	37,183	41,442	8,211	12,452	20,612	20,320	11,165	13,966
Full-skim American type cheese	2/	2/	-	-	-	-	-	-
Cottage cheese:								
Curd 7/ 8/	1/42,011	41,735	8,562	8,233	8,130	8,122	29,172	29,688
Creamed 9/	1/59,419	58,975	12,637	12,335	12,470	12,486	36,602	36,791
Partially creamed 10/	-	-	-	-	769	771	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	-	-
Bulk goods:								
Unskimmed	5,517	4,602	2/	2/	-	-	2,498	1,677
Skimmed	2,191	1,684	2/	2/	2/	-	9,178	10,326
Unsweetened: Bulk goods:								
Unskimmed	17,162	16,571	-	-	-	-	37,473	54,809
Skimmed	1/34,019	43,253	23,450	25,849	2/	4,899	57,010	66,236
Evaporated milk, unsweetened:								
Case goods: Unskimmed	239,297	230,260	-	-	2/	2/	2/	2/
Skimmed	2/	2/	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	2/	-	-	-	2/	2/
Condensed whey	4,183	2/	-	-	2/	2/	2/	2/
Dry milk:								
Whole milk	8,234	2/	-	-	2/	2/	2/	2/
Nonfat dry milk for human food:								
Spray process	37,637	56,716	2/	2,774	7,502	7,692	35,410	45,019
Roller process	5,432	8,011	3,221	4,592	1,124	2/	11,874	4,651
Total	43,069	64,727	5,270	7,366	8,626	8,739	47,284	49,670
Skim milk for animal feed	229	483	2/	2/	772	555	620	455
Whey	2,394	2,979	1,356	1,601	2/	2/	-	-
Buttermilk	2,007	2,165	633	2/	1,161	1,051	2/	647
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	2/	2/	-	-	2/	2/	-	-
Dry ice cream mix	2/	2/	-	-	2/	2/	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	40,423	38,577	5,500	5,318	4,865	5,044	67,986	67,059
Less than 20,000 gal.	1,832	1,744	132	137	694	528	7,160	6,272
Total	42,255	40,321	5,632	5,455	5,559	5,572	75,146	73,331
Ice milk 11/	8,650	9,346	2,971	3,333	2,899	3,002	5,963	7,920
Milk sherbet	2,313	2,364	402	423	252	275	1/2,797	3,086
Other frozen dairy products	464	380	2/	2/	131	152	1/ 2/	76
"Mellorine type" frozen desserts	-	-	2,779	2,801	734	736	-	-
Water ices	1,667	1,586	200	205	203	186	3,964	3,495
Ice cream mix	21,438	20,263	2,942	2,777	2,952	3,011	39,298	39,503
Ice milk mix 12/	7,003	7,223	1,821	1,995	2,021	2,204	2,750	3,651
Milk sherbet mix	1,354	1,279	257	247	130	146	1,783	2,035
"Mellorine type" mix	-	-	1,472	1,524	364	367	-	-

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Rhode Island		South Carolina		South Dakota		Tennessee	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	-	-	168	211	37,176	38,891	9,628	11,773
Cheese:								
American:								
Cheddar	-	-	-	-	10,480	15,156	37,080	43,823
Other types, whole milk 3/	-	-	-	-	2/	2/	2/	1,690
Total, whole milk	-	-	-	-	10,748	15,216	37,621	45,513
Part skim	-	-	-	-	-	-	-	-
Swiss, including block	-	-	-	-	-	-	2/	2/
Munster	-	-	-	-	-	-	2/	2/
Brick	-	-	-	-	-	-	2/	2/
Limburger	-	-	-	-	-	-	-	-
All Italian types	2/	2/	-	-	-	-	-	-
Cream	-	-	-	-	-	-	2/	2/
Neufchatel	-	-	-	-	-	-	2/	2/
Blue mold 4/	-	-	2/	2/	-	-	-	-
All other types	-	-	-	-	-	-	2/	2/
Total 5/ 6/	2/	2/	2/	2/	10,748	15,216	47,929	55,309
Full-skim American type cheese	-	-	-	-	-	-	-	-
Cottage cheese:								
Curd 7/ 8/	-	-	2/	2/	2,481	2,503	12,019	11,366
Creamed 9/	-	-	2/	2/	3,445	3,424	17,028	15,768
Partially creamed 10/	-	-	-	-	-	-	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	-	-
Bulk goods:								
Unskimmed	-	-	-	-	-	-	-	-
Skimmed	-	-	-	-	-	-	-	-
Unsweetened: Bulk goods:								
Unskimmed	-	-	-	-	-	-	19,496	17,454
Skimmed	-	-	-	-	-	-	9,719	10,800
Evaporated milk, unsweetened:								
Case goods: Unskimmed	-	-	2/	2/	-	-	165,629	177,811
Skimmed	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	-	-	-	-
Condensed whey	-	-	-	-	-	-	-	-
Dry milk:								
Whole milk	-	-	-	-	-	2/	-	-
Nonfat dry milk for human food:								
Spray process	-	-	-	-	29,438	35,637	2/	2/
Roller process	-	-	-	-	2/	2/	-	2/
Total	-	-	-	-	32,364	40,623	2/	5,388
Skim milk for animal feed	-	-	-	-	256	274	2/	2/
Whey	-	-	-	-	2/	2/	2/	2/
Buttermilk	-	-	-	-	2,423	2,556	-	-
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	-	-	-	-	-	-
Dry ice cream mix	-	-	-	-	-	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	1/2,730	2,871	3,291	2,843	1/1,950	2,089	14,670	14,251
Less than 20,000 gal.	242	277	123	95	208	129	306	310
Total	1/2,972	3,148	3,414	2,938	1/2,158	2,218	14,976	14,561
Ice milk 11/	257	227	1,691	1,781	1,037	1,057	6,083	7,302
Milk sherbet	362	283	158	244	100	114	1,415	1,460
Other frozen dairy products	2/	2/	2/	-	9	2/	221	176
"Mellorine type" frozen desserts	-	-	163	188	-	-	-	-
Water ices	190	210	181	165	91	91	731	775
Ice cream mix	1/1,496	1,574	1,738	1,514	1,275	1,279	1/7,661	7,464
Ice milk mix 12/	71	32	693	834	620	622	1/3,908	4,736
Milk sherbet mix	277	236	84	145	57	71	1/ 745	716
"Mellorine type" mix	-	-	82	97	-	-	-	-

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Texas		Utah		Vermont		Virginia	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	1/4,614	5,027	7,106	8,054	2,588	5,256	3,595	3,626
Cheese:								
American:								
Cheddar	4,334	6,514	5,460	5,309	7,519	8,135	2/	2/
Other types, whole milk 3/	-	2/	2/	2/	2/	2/	-	-
Total, whole milk	4,334	6,545	6,068	5,887	7,714	8,319	2/	2/
Part skim	2/	-	-	-	-	2/	-	-
Swiss, including block	-	-	2/	2/	-	-	-	-
Munster	-	-	-	-	-	-	-	-
Brick	-	-	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-
All Italian types	-	-	-	-	1,818	1,521	-	-
Cream	-	-	-	-	-	2/	-	-
Neufchatel	-	-	-	-	-	2/	-	-
Blue mold 4/	-	-	-	-	-	-	-	-
All other types	-	-	-	-	2/	2/	-	-
Total 5/ 6/	4,396	6,545	11,958	10,979	9,770	10,936	2/	2/
Full-skim American type cheese	-	-	-	-	2/	2/	-	-
Cottage cheese:								
Curd 7/ 8/	11,129	11,504	4,796	4,660	18,808	18,073	3,762	3,637
Creamed 9/	13,692	14,825	7,458	7,089	9,308	16,306	4,438	4,282
Partially creamed 10/	6,405	5,276	-	-	-	-	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	-	-
Bulk goods:								
Unskimmed	2/	2/	-	-	2/	2/	-	2/
Skimmed	2/	2/	-	-	2/	2/	1,909	1,749
Unsweetened: Bulk goods:								
Unskimmed	2/	2/	2/	2/	2/	2/	2/	2/
Skimmed	36,549	40,943	2/	2/	7,023	6,859	18,563	17,514
Evaporated milk, unsweetened:								
Case goods: Unskimmed	2/	2/	43,084	45,655	-	-	91,603	107,236
Skimmed	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	-	-	-	-
Condensed whey	-	-	-	-	-	-	-	-
Dry milk:								
Whole milk	-	-	2/	2/	289	2/	2/	-
Nonfat dry milk for human food:								
Spray process	6,641	7,077	9,234	10,613	22,001	25,675	4,887	7,942
Roller process	-	-	-	-	4,224	6,522	2/	2/
Total	6,641	7,077	9,234	10,613	26,225	32,197	4,977	8,044
Skim milk for animal feed	2/	2/	2/	2/	653	466	2/	2/
Whey	-	-	2/	2/	2/	2/	-	-
Buttermilk	-	2/	2/	2/	-	-	-	-
Malted milk powder	-	-	-	-	-	-	-	-
Milk sugar, crude	-	-	-	-	-	-	-	-
Dry ice cream mix	2/	2/	-	-	-	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	20,228	20,049	3,588	3,850	383	301	11,086	11,807
Less than 20,000 gal.	713	562	261	239	101	110	320	360
Total	20,941	20,611	3,849	4,089	484	411	11,406	12,167
Ice milk 11/	3,768	3,672	1,334	1,487	158	141	3,184	3,585
Milk sherbet	2,030	2,153	350	333	10	12	745	841
Other frozen dairy products	477	326	-	-	2/	2/	150	137
"Mellorine type" frozen desserts	1/21,350	22,166	-	-	-	-	-	-
Water ices	1,521	1,642	181	214	2/	13	533	375
Ice cream mix	10,526	10,297	2,138	2,161	602	598	7,256	7,325
Ice milk mix 12/	1,855	1,881	1,131	1,256	92	109	1,832	2,272
Milk sherbet mix	1,165	1,248	177	193	3	4	434	453
"Mellorine type" mix	1/12,384	12,294	-	-	-	-	-	-

See footnotes on bottom of page 34.

Continued

Table 11.-Manufactured dairy products: Production of specified products, by States, 1960 and 1961--Cont.

Product	Washington		West Virginia		Wisconsin		Wyoming	
	1960	1961	1960	1961	1960	1961	1960	1961
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	21,962	22,611	123	2/	275,485	282,977	2,270	2,310
Cheese:								
American:								
Cheddar	1,954	1,773	-	-	418,475	444,766	-	-
Other types, whole milk 3/	417	1,314	-	-	20,012	24,387	-	-
Total, whole milk	2,371	3,087	-	-	438,487	469,153	-	-
Part skim	-	-	-	-	-	-	-	-
Swiss, including block	-	-	-	-	29,707	31,599	2/	2/
Munster	-	-	-	-	16,030	15,600	-	-
Brick	-	-	-	-	17,937	15,656	-	-
Limburger	-	-	-	-	2,176	1,734	-	-
All Italian types	2/	2/	-	-	95,273	94,653	-	-
Cream	-	-	-	-	2/	2/	-	-
Neufchatel	-	-	-	-	2/	2/	-	-
Blue mold 4/	-	-	-	-	10,726	11,465	-	-
All other types	2/	182	-	-	7,513	7,370	-	-
Total 5/ 6/	3,165	3,764	-	-	641,119	671,808	2/	2/
Full-skim American type cheese	-	-	-	-	139	194	-	-
Cottage cheese:								
Curd 7/ 8/	17,258	16,704	3,682	3,569	35,034	31,734	750	908
Creamed 9/	27,107	27,148	6,178	5,772	40,648	41,366	1,004	1,213
Partially creamed 10/	-	-	-	-	-	-	-	-
Condensed milk:								
Sweetened:								
Case goods: Unskimmed	-	-	-	-	-	-	-	-
Bulk goods:								
Unskimmed	2/	47	-	-	20,208	17,421	-	-
Skimmed	1,960	1,781	-	-	15,909	14,897	-	-
Unsweetened: Bulk goods:								
Unskimmed	9,581	10,434	-	-	25,768	26,403	-	-
Skimmed	9,714	13,009	-	-	94,869	117,590	-	-
Evaporated milk, unsweetened:								
Case goods: Unskimmed	2/	2/	2/	2/	279,024	256,845	-	-
Skimmed	-	-	-	-	2/	2/	-	-
Condensed or evaporated buttermilk	2/	2/	-	-	-	-	-	-
Condensed whey	-	-	-	-	19,955	26,957	-	-
Dry milk:								
Whole milk	2/	2/	-	-	16,132	9,349	-	-
Nonfat dry milk for human food:								
Spray process	21,608	26,341	-	-	410,766	427,528	2/	2/
Roller process	3,268	472	-	-	14,172	9,205	2/	2/
Total	24,876	26,813	-	-	424,938	436,733	2/	2/
Skim milk for animal feed	824	386	-	-	5,589	5,260	-	-
Whey	2/	2/	-	-	87,495	72,046	2/	2/
Buttermilk	2/	-	-	-	21,703	21,669	-	-
Malted milk powder	-	-	-	-	24,542	23,986	-	-
Milk sugar, crude	-	-	-	-	35,748	20,421	-	-
Dry ice cream mix	-	-	-	-	2/	-	-	-
Frozen products and mix:								
Ice cream: By establishments with annual output of:	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
20,000 gal. and over	10,931	11,489	5,247	4,362	21,178	22,366	376	417
Less than 20,000 gal.	823	827	164	150	1,159	1,208	1/ 121	59
Total	11,754	12,316	5,411	4,512	22,337	23,574	1/ 497	476
Ice milk 11/	3,497	3,352	1,307	1,211	2,814	3,530	373	349
Milk sherbet	737	782	220	148	696	813	17	20
Other frozen dairy products	-	-	2/	2/	-	-	-	-
"Mellorine type" frozen desserts	-	-	-	-	-	-	-	-
Water ices	103	168	187	214	1,002	997	2/	2/
Ice cream mix	6,108	6,701	2,719	2,357	12,774	13,145	189	201
Ice milk mix 12/	2,989	3,289	735	885	2,183	2,581	112	139
Milk sherbet mix	393	478	151	125	308	441	6	8
"Mellorine type" mix	-	-	-	-	-	-	-	-

See footnotes on bottom of page 34.

Table 12.-Butter, creamery: Production, by States, by months, 1961

State and division	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	6	5	6	7	13	14	24
Vermont	6	330	320	328	658	814	970
Massachusetts	3	11	9	9	9	9	11
New England 1/	16	346	335	344	680	838	1,005
New York	50	5,134	4,674	5,584	6,204	5,902	6,674
Pennsylvania	34	1,644	1,479	1,629	1,826	1,992	2,117
Middle Atlantic 1/	86	6,779	6,154	7,214	8,031	7,898	8,794
Ohio	38	3,352	3,065	3,008	3,005	4,056	4,719
Indiana	24	2,189	2,320	2,058	2,000	2,374	2,107
Illinois	35	3,008	2,803	2,813	3,100	3,879	3,608
Michigan	52	3,609	3,474	3,935	4,338	5,471	5,575
Wisconsin	162	20,974	21,284	24,751	25,615	29,025	30,127
East North Central	311	33,132	32,946	36,565	38,058	44,805	46,136
Minnesota	394	31,821	30,820	35,199	34,082	36,023	34,088
Iowa	210	13,345	12,735	14,491	14,321	17,347	17,559
Missouri	27	2,933	2,742	3,122	3,698	5,419	5,514
North Dakota	79	4,576	4,719	5,336	5,501	6,253	6,151
South Dakota	47	2,968	2,983	3,594	3,665	4,148	4,134
Nebraska	35	4,534	4,458	5,330	5,211	6,093	6,159
Kansas	23	2,935	2,842	3,164	3,220	3,980	3,235
West North Central	815	63,112	61,299	70,236	69,698	79,263	76,840
Maryland	4	807	663	422	590	1,147	1,041
Virginia	14	241	216	233	313	472	436
North Carolina	6	99	82	57	60	53	60
South Carolina	3	16	16	17	13	13	14
South Atlantic 1/	31	1,209	1,016	754	993	1,710	1,582
Kentucky	9	970	875	991	1,145	1,290	1,343
Tennessee	9	888	700	679	877	1,002	862
Mississippi	4	590	665	445	697	715	526
Arkansas	3	396	221	268	338	383	349
Louisiana	4	87	138	189	145	135	125
Oklahoma	12	1,193	1,187	1,372	1,488	1,837	1,721
Texas	16	575	478	460	443	382	297
South Central 1/	58	4,700	4,265	4,404	5,134	5,745	5,223
Montana	33	362	317	384	407	484	503
Idaho	21	2,612	2,576	2,932	2,843	3,271	3,113
Wyoming	9	194	174	196	185	227	232
Colorado	18	754	781	911	930	1,003	1,073
New Mexico	3	17	18	18	27	23	27
Utah	10	703	710	697	721	808	756
Nevada	3	27	22	22	29	46	26
Mountain 1/	99	4,739	4,650	5,219	5,194	5,915	5,770
Washington	39	1,885	1,512	1,631	1,929	2,392	2,131
Oregon	30	796	784	987	1,229	1,552	1,335
California	31	3,118	2,906	3,400	3,349	3,987	3,893
Pacific	100	5,799	5,202	6,018	6,507	7,931	7,359
UNITED STATES	1,516	119,816	115,867	130,754	134,295	154,105	152,709

See footnote at end of table.

Continued

Footnotes for table 11.

1/ Revised.

2/ Production for States not shown when less than 3 plants reported or individual operations might be disclosed.

3/ Includes Colby, washed curd, high and low moisture jack, Monterey, and granular.

4/ Includes Gorgonzola.

5/ Excludes full-skim American and cottage cheese.

6/ The sum of the individual types does not equal total cheese since the production of some types is not shown separately when made by less than 3 plants or individual operations might be disclosed.

7/ Used for processing into full or partially creamed cottage cheese or for sale to consumers in dry form. Includes pot and bakers' cheese.

Footnotes table 11. Continued page 35.

Table 12.-Butter, creamery: Production, by States, by months, 1961--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	23	17	17	17	9	11	163
Vermont	361	280	265	686	132	112	5,256
Massachusetts	7	8	6	9	4	4	96
New England 1/	391	305	288	712	145	127	5,516
New York	4,733	2,989	2,220	5,271	4,056	4,843	58,284
Pennsylvania	1,699	1,102	1,047	1,566	1,472	1,483	19,056
Middle Atlantic 1/	6,433	4,091	3,267	6,837	5,528	6,326	77,352
Ohio	3,800	3,664	2,782	3,734	3,844	3,978	43,007
Indiana	2,015	1,513	1,511	2,227	2,303	2,494	25,111
Illinois	2,923	2,638	2,482	3,360	3,327	3,328	37,269
Michigan	4,042	3,832	3,637	4,778	4,152	5,007	51,850
Wisconsin	24,616	19,514	17,999	21,653	22,125	25,294	282,977
East North Central	37,396	31,161	28,411	35,752	35,751	40,101	440,214
Minnesota	27,072	19,933	16,654	19,875	23,771	29,999	339,337
Iowa	15,448	13,958	11,955	12,321	12,161	13,561	169,202
Missouri	5,570	5,786	4,851	4,843	3,920	3,263	51,661
North Dakota	5,159	4,476	3,714	3,445	3,187	3,981	56,498
South Dakota	3,569	3,000	2,682	2,627	2,529	2,992	38,891
Nebraska	5,256	5,014	4,406	4,131	4,026	4,421	59,039
Kansas	2,689	2,607	2,428	2,923	2,982	3,188	36,193
West North Central	64,763	54,774	46,690	50,165	52,576	61,405	750,821
Maryland	660	769	381	468	475	603	8,026
Virginia	327	328	287	268	234	271	3,626
North Carolina	59	59	47	55	34	38	703
South Carolina	17	16	22	21	20	26	211
South Atlantic 1/	1,099	1,212	778	853	807	999	13,012
Kentucky	1,330	1,527	1,259	1,628	1,215	1,164	14,737
Tennessee	987	1,058	1,127	1,302	1,097	1,194	11,773
Mississippi	695	654	565	548	566	648	7,314
Arkansas	376	391	292	270	261	291	3,836
Louisiana	140	149	113	197	190	263	1,871
Oklahoma	1,674	1,696	1,387	1,340	1,369	1,263	17,527
Texas	342	311	212	448	583	496	5,027
South Central 1/	5,545	5,787	4,956	5,734	5,282	5,320	62,095
Montana	400	364	341	326	267	269	4,424
Idaho	2,861	2,844	2,886	2,815	2,713	3,041	34,507
Wyoming	205	188	174	180	171	184	2,310
Colorado	943	862	751	691	641	883	10,223
New Mexico	28	19	18	13	16	16	240
Utah	650	577	582	566	589	695	8,054
Nevada	21	17	18	17	19	23	287
Mountain 1/	5,148	4,914	4,821	4,651	4,472	5,161	60,654
Washington	1,851	1,794	1,808	1,876	1,753	2,049	22,611
Oregon	1,109	915	943	975	855	943	12,423
California	3,762	3,170	2,821	2,527	2,765	3,651	39,349
Pacific	6,722	5,879	5,572	5,378	5,373	6,643	74,383
UNITED STATES	127,497	108,123	94,783	110,082	109,934	126,082	1,484,047

1/ Regional totals include data for States not shown separately.
States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Footnotes for table 11 continued.

8/ In States where partially creamed cottage cheese is made, data not strictly comparable with years prior to 1957 when curd included creaming mixture for partially creamed cottage cheese.

9/ Milkfat content not less than 4.0 percent.

10/ Milkfat content less than 4.0 percent. This product is not legal in interstate commerce and in many States.

11/ Includes freezer-made milkshake, see footnotes page 59.

12/ Includes milkshake mix.

13/ In New York, this product must be labeled "cottage cheese."

Table 13.-Cheese, total, excluding full-skim American and cottage: Production, by States, by months, 1961

State and division	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	3	14	14	30	23	30	64
Vermont	10	902	799	1,149	1,580	1,643	1,515
Massachusetts	7	320	290	492	295	309	260
Connecticut	4	111	102	190	92	116	111
New England 1/	26	1,373	1,231	1,890	2,019	2,125	1,976
New York	94	10,122	10,088	14,438	13,604	16,457	15,793
New Jersey	13	302	330	453	356	377	407
Pennsylvania	21	1,003	955	1,310	1,120	1,277	1,245
Middle Atlantic	128	11,427	11,373	16,201	15,080	18,111	17,445
Ohio	37	3,513	2,625	3,426	3,418	4,199	4,436
Indiana	18	2,551	2,465	2,974	3,100	4,760	4,941
Illinois	73	6,477	5,842	6,951	7,013	8,739	9,065
Michigan	36	2,746	2,325	2,910	3,031	3,500	4,258
Wisconsin	766	56,593	51,736	59,417	60,053	66,792	71,137
East North Central	930	71,880	64,993	75,678	76,615	87,990	93,837
Minnesota	27	7,877	7,235	8,072	7,666	7,802	7,243
Iowa	46	4,477	4,513	5,217	4,881	5,659	5,952
Missouri	31	5,790	5,415	6,922	8,275	11,824	12,011
North Dakota	8	326	452	584	689	745	751
South Dakota	9	1,214	1,235	1,419	1,525	1,645	1,619
Kansas	16	1,483	1,412	1,772	1,686	2,016	1,792
West North Central 1/	139	21,217	20,317	24,050	24,799	29,788	29,463
South Atlantic 1/	7	532	486	768	911	1,556	1,499
Kentucky	20	2,550	3,002	3,898	5,314	7,465	7,870
Tennessee	19	2,502	2,509	3,648	4,893	6,713	6,074
Alabama	3	169	206	395	449	556	427
Mississippi	10	369	801	1,517	2,152	2,866	2,317
Arkansas	8	1,244	1,401	1,851	2,684	3,527	3,390
Louisiana	3	6	8	29	36	41	23
Oklahoma	6	681	720	1,210	1,229	1,742	1,402
Texas	5	364	386	518	766	963	635
South Central	74	8,385	9,033	13,066	17,523	23,873	22,138
Montana	6	311	280	345	411	526	540
Idaho	22	2,937	2,902	3,453	3,202	3,482	3,855
Colorado	5	227	274	312	380	492	294
Utah	16	915	920	1,052	1,042	1,103	1,031
Mountain 1/	52	4,593	4,564	5,364	5,245	5,853	5,975
Washington	7	295	252	285	288	439	433
Oregon	20	864	928	1,421	2,358	2,902	2,801
California	23	1,540	1,248	1,892	1,785	1,803	1,638
Pacific	50	2,699	2,428	3,598	4,431	5,144	4,872
UNITED STATES	1,406	122,106	114,425	140,615	146,623	174,440	177,205

See footnote at end of table.

Continued

Table 14.-Cheese, Swiss: Production, by States, by months, 1961

State	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Pennsylvania	5	181	196	294	289	343	354
Ohio	24	570	509	665	722	1,030	1,033
Illinois	19	3,270	3,035	3,517	3,656	4,348	4,495
Wisconsin	92	1,792	1,882	2,425	2,660	3,529	3,829
Minnesota	3	1,666	1,533	1,690	1,613	1,631	1,445
Idaho	5	742	725	770	551	515	603
All other States 1/	10	1,181	1,125	1,348	1,350	1,380	1,375
UNITED STATES	158	9,402	9,005	10,709	10,841	12,776	13,134

See footnote at end of table.

Continued

Table 13.-Cheese, total, excluding full-skim American and cottage: Production, by States, by months, 1961--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	46	40	33	28	21	13	361
Vermont	1,145	675	633	317	241	337	10,936
Massachusetts	224	270	257	319	311	340	3,687
Connecticut	89	106	102	120	145	151	1,435
New England 1/	1,528	1,114	1,048	810	743	876	16,733
New York	8,399	7,046	6,566	8,034	8,386	9,782	128,769
New Jersey	369	401	378	379	362	462	4,576
Pennsylvania	1,047	1,134	1,080	1,226	1,233	1,336	13,966
Middle Atlantic	9,815	8,581	8,024	9,639	9,981	11,584	147,311
Ohio	3,668	3,368	3,041	3,485	3,123	3,140	41,442
Indiana	4,405	3,806	3,316	3,400	3,046	2,894	41,658
Illinois	8,173	7,604	6,086	6,213	5,963	6,569	84,695
Michigan	3,548	3,194	2,837	2,736	2,439	2,537	36,111
Wisconsin	58,348	51,052	46,714	49,579	47,133	53,254	671,808
East North Central	78,142	69,024	62,044	65,413	61,704	68,394	875,714
Minnesota	5,576	4,567	4,156	4,669	5,298	6,087	76,248
Iowa	5,303	4,719	3,958	3,873	3,743	4,026	56,321
Missouri	11,313	10,818	9,236	9,086	7,568	7,158	105,416
North Dakota	638	522	481	510	495	570	6,763
South Dakota	1,344	1,041	851	911	1,060	1,352	15,216
Kansas	1,724	1,658	1,459	1,413	1,389	1,482	19,286
West North Central 1/	25,991	23,415	20,228	20,554	19,639	20,774	280,235
South Atlantic 1/	1,496	1,488	1,268	1,027	806	843	12,685
Kentucky	8,026	8,321	6,638	5,367	3,815	3,298	65,564
Tennessee	6,377	6,445	5,359	4,471	3,278	3,040	55,309
Alabama	426	408	420	295	243	394	4,383
Mississippi	2,367	2,279	1,802	1,479	1,128	1,283	20,860
Arkansas	3,615	3,121	3,465	2,568	1,353	1,261	29,480
Louisiana	36	25	39	34	13	36	326
Oklahoma	1,174	1,124	875	721	782	792	12,452
Texas	680	584	389	412	370	478	6,545
South Central	22,701	22,307	18,987	15,347	10,982	10,582	194,924
Montana	451	386	349	302	267	246	4,414
Idaho	3,255	3,140	3,151	2,816	2,638	3,095	37,926
Colorado	284	223	138	63	99	176	2,962
Utah	974	784	706	783	775	894	10,979
Mountain 1/	5,215	4,762	4,552	4,157	3,956	4,605	58,841
Washington	277	304	281	320	322	268	3,764
Oregon	2,499	1,933	1,519	1,369	957	769	20,320
California	1,439	1,494	1,395	1,657	2,008	1,946	19,845
Pacific	4,215	3,731	3,195	3,346	3,287	2,983	43,929
UNITED STATES	149,103	134,422	119,346	120,343	111,098	120,646	1,630,372

1/ Regional totals include data for States not shown separately. States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 14.-Cheese, Swiss: Production, by States, by months, 1961--Cont.

State	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Pennsylvania	307	295	284	331	327	335	3,536
Ohio	867	793	637	629	563	566	8,584
Illinois	3,260	2,723	2,230	2,271	2,115	2,317	37,237
Wisconsin	3,330	3,129	2,599	2,435	2,019	1,970	31,599
Minnesota	1,162	1,167	1,176	1,179	1,311	1,549	17,122
Idaho	463	461	588	572	576	767	7,333
All other States 1/	1,378	1,228	1,133	1,189	1,127	1,283	15,097
UNITED STATES	10,767	9,796	8,647	8,606	8,038	8,787	120,508

1/ States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 15.-Cheese, total American, made from whole milk: Production, by States, by months, 1961 1/

State and division	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	7	727	652	960	1,099	1,239	1,342
New England	7	727	652	960	1,099	1,239	1,342
New York	36	3,462	3,495	5,930	7,578	9,373	9,391
Pennsylvania	3	18	12	28	21	33	52
Middle Atlantic 2/	40	3,490	3,526	5,979	7,612	9,450	9,545
Ohio	10	1,269	1,050	1,160	1,221	[illegible]	2,010
Indiana	16	1,729	1,618	1,816	2,156	3,399	3,955
Illinois	38	1,883	1,652	2,023	2,164	2,399	3,115
Michigan	27	2,015	1,755	2,224	2,418	2,836	3,640
Wisconsin	592	40,150	35,799	40,951	42,428	47,751	52,083
East North Central	683	47,046	41,874	48,174	50,387	58,603	64,808
Minnesota	24	5,875	5,426	6,046	5,716	5,902	5,483
Iowa	44	4,402	4,439	5,127	4,789	5,547	5,831
Missouri	29	5,185	4,930	6,220	7,679	11,144	11,426
North Dakota	8	326	452	582	688	744	750
South Dakota	9	1,214	1,235	1,419	1,525	1,645	1,619
Kansas	16	1,483	1,412	1,772	1,686	2,016	1,792
West North Central 2/	132	18,535	17,949	21,230	22,160	27,095	26,996
South Atlantic 2/	6	530	485	766	909	1,556	1,499
Kentucky	18	2,543	2,986	3,884	5,298	7,448	7,854
Tennessee	19	1,817	1,794	2,837	4,012	5,812	5,337
Alabama	3	169	206	395	449	556	427
Mississippi	10	869	801	1,517	2,152	2,866	2,317
Arkansas	8	1,038	1,121	1,515	2,368	3,164	3,047
Louisiana	3	6	8	29	36	41	23
Oklahoma	6	681	720	1,210	1,229	1,742	1,402
Texas	5	364	386	518	766	963	635
South Central	72	7,487	8,022	11,905	16,310	22,592	21,042
Montana	4	310	279	342	407	525	536
Idaho	20	2,137	2,135	2,642	2,575	2,965	3,197
Colorado	4	196	251	283	326	449	269
Utah	16	427	451	535	548	631	569
Mountain 2/	45	3,070	3,116	3,802	3,866	4,580	4,581
Washington	6	245	206	228	237	379	366
Oregon	20	837	903	1,421	2,358	2,902	2,785
California	10	269	247	378	439	401	313
Pacific	36	1,351	1,356	2,027	3,034	3,682	3,464
UNITED STATES	1,021	82,236	76,980	94,843	105,377	128,797	133,277

See footnotes at end of table.

Continued

Table 16.-Cheese, Brick and Munster combined: Production, by States, by months, 1961

State	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
New York	3	1	1	2	1	2	4
Ohio	7	5	8	12	13	5	13
Indiana	5	711	692	973	751	1,082	695
Illinois	15	207	191	203	175	169	180
Michigan	3	180	103	163	103	93	19
Wisconsin	96	2,886	2,594	2,835	2,727	2,634	2,629
All other States 1/	8	117	70	143	146	154	160
UNITED STATES	137	4,107	3,659	4,331	3,916	4,139	3,700

See footnote at end of table.

Continued

Table 15.-Cheese, total American, made from whole milk: Production, by States, by months, 1961 1/--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	992	554	509	87	40	118	8,319
New England	992	554	509	87	40	118	8,319
New York	3,013	827	717	1,227	980	1,161	47,154
Pennsylvania	37	27	17	20	11	16	292
Middle Atlantic 2/	3,166	936	816	1,299	1,003	1,181	48,003
Ohio	1,553	1,392	1,126	1,187	982	965	15,633
Indiana	3,313	2,789	2,322	2,332	2,083	2,073	29,585
Illinois	3,635	3,607	2,675	2,528	2,354	2,585	31,120
Michigan	3,001	2,666	2,345	2,073	1,890	1,864	28,727
Wisconsin	42,549	35,888	31,795	32,626	31,245	35,883	469,153
East North Central	54,051	46,342	40,263	40,746	38,554	43,370	574,218
Minnesota	4,177	3,193	2,731	3,216	3,711	4,354	55,830
Iowa	5,189	4,636	3,897	3,816	3,703	3,993	55,369
Missouri	10,767	10,272	8,599	8,262	6,739	6,185	97,408
North Dakota	637	522	481	510	495	570	6,757
South Dakota	1,344	1,041	851	911	1,060	1,352	15,216
Kansas	1,724	1,658	1,459	1,413	1,389	1,482	19,286
West North Central 2/	23,931	21,412	18,105	18,220	17,183	18,035	250,851
South Atlantic 2/	1,494	1,486	1,267	1,027	805	848	12,672
Kentucky	8,012	8,307	6,630	5,352	3,811	3,287	65,412
Tennessee	5,483	5,680	4,440	3,627	2,510	2,164	45,513
Alabama	426	408	420	295	243	394	4,388
Mississippi	2,367	2,279	1,802	1,479	1,128	1,283	20,860
Arkansas	3,231	2,735	3,098	2,205	1,015	889	25,426
Louisiana	36	25	39	34	13	36	326
Oklahoma	1,174	1,124	875	721	782	792	12,452
Texas	680	584	389	412	370	478	6,545
South Central	21,409	21,142	17,693	14,125	9,872	9,323	180,922
Montana	446	386	348	301	265	246	4,391
Idaho	2,752	2,642	2,521	2,156	2,014	2,283	30,019
Colorado	275	212	119	52	89	143	2,664
Utah	537	480	456	432	400	421	5,887
Mountain 2/	4,020	3,730	3,454	2,951	2,768	3,093	43,031
Washington	231	243	219	261	259	213	3,087
Oregon	2,481	1,911	1,493	1,345	930	740	20,106
California	261	275	209	205	214	210	3,421
Pacific	2,973	2,429	1,921	1,811	1,403	1,163	26,614
UNITED STATES	112,036	98,031	84,028	80,266	71,628	77,131	1,144,630

1/ Includes Cheddar, Colby, washed or stirred curd, high and low moisture jack, Monterey, and granular.
2/ Regional totals include data for States not shown separately. States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 16.-Cheese, Brick and Munster combined: Production, by States, by months, 1961--Cont.

State	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
New York	1	1	2	2	4	2	23
Ohio	6	10	12	17	9	11	121
Indiana	840	854	901	958	872	730	10,059
Illinois	147	129	158	279	324	349	2,511
Michigan	-	18	42	131	26	136	1,014
Wisconsin	2,296	2,147	2,230	2,760	2,640	2,878	31,256
All other States 1/	252	178	166	175	49	80	1,690
UNITED STATES	3,542	3,337	3,511	4,322	3,924	4,186	46,674

1/ States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 17.-Cheese, Cheddar, made from whole milk: Production, by States, by months, 1961

State and division	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	6	716	642	947	1,082	1,218	1,320
New England	6	716	642	947	1,082	1,218	1,320
New York	29	3,333	3,368	5,733	6,976	8,383	8,144
Middle Atlantic 1/	31	3,349	3,387	5,761	6,990	8,428	8,259
Ohio	7	261	171	232	229	223	481
Indiana	9	255	421	636	663	1,466	1,516
Illinois	35	1,509	1,240	1,575	1,700	2,449	2,743
Michigan	15	595	537	703	825	954	1,244
Wisconsin	576	38,135	34,101	39,034	40,805	45,932	49,850
East North Central	642	40,755	36,470	42,180	44,222	51,024	55,834
Minnesota	24	5,873	5,424	6,044	5,713	5,896	5,481
Iowa	42	4,200	4,225	4,915	4,561	5,271	5,583
Missouri	27	4,929	4,702	5,932	7,323	10,586	10,801
North Dakota	8	326	452	582	688	744	750
South Dakota	9	1,211	1,228	1,415	1,521	1,641	1,615
Kansas	16	1,397	1,404	1,690	1,600	1,899	1,709
West North Central 1/	128	17,986	17,490	20,642	21,483	26,134	26,034
South Atlantic 1/	6	530	485	766	909	1,556	1,499
Kentucky	18	2,519	2,672	3,326	4,730	7,286	7,845
Tennessee	19	1,729	1,717	2,638	3,821	5,667	5,264
Alabama	3	169	206	395	449	556	427
Mississippi	10	869	801	1,517	2,152	2,866	2,317
Arkansas	8	976	1,006	1,456	2,357	3,120	2,992
Louisiana	3	6	8	29	36	41	23
Oklahoma	6	681	720	1,210	1,229	1,742	1,402
Texas	5	353	384	518	758	962	630
South Central	72	7,302	7,514	11,089	15,532	22,240	20,900
Montana	4	310	279	342	407	525	536
Idaho	20	1,197	1,274	1,487	1,620	1,929	2,361
Colorado	4	113	144	166	178	269	245
Utah	16	380	395	469	488	596	562
Mountain	44	2,000	2,092	2,464	2,693	3,319	3,704
Washington	6	156	110	130	132	243	219
Oregon	20	802	872	1,338	2,200	2,695	2,639
California	6	41	30	64	77	17	35
Pacific	32	999	1,012	1,532	2,409	2,955	2,893
UNITED STATES	961	73,637	69,092	85,381	95,320	116,874	120,443

See footnote at end of table.

Continued

Table 18.-Cheese, Italian: Production, by States, by months 1961

State	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	3	157	129	141	138	137	145
Massachusetts	4	225	208	401	216	222	181
Connecticut	3	111	102	190	91	116	111
New York	37	2,297	2,333	3,630	2,166	2,550	2,256
New Jersey	12	283	300	419	330	322	294
Pennsylvania	9	246	245	380	290	302	309
Ohio	3	211	213	214	181	213	182
Illinois	16	794	684	881	711	909	834
Michigan	7	414	336	376	374	442	483
Wisconsin	73	8,361	7,745	8,911	8,829	9,014	9,068
California	10	402	393	532	480	526	497
All other States 1/	16	109	110	146	136	161	172
UNITED STATES	193	13,610	12,798	16,221	13,942	14,914	14,532

See footnote at end of table.

Continued

Table 17.-Cheese, Cheddar, made from whole milk: Production, by States, by months, 1961--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	973	537	494	72	28	106	8,135
New England	973	537	494	72	28	106	8,135
New York	2,724	650	576	1,097	873	1,047	42,904
Middle Atlantic 1/	2,842	738	658	1,151	886	1,055	43,504
Ohio	410	352	181	218	97	28	2,883
Indiana	1,227	1,015	777	723	450	598	9,747
Illinois	2,554	2,236	1,768	1,492	1,387	1,501	22,154
Michigan	978	841	702	622	517	571	9,089
Wisconsin	40,993	34,321	29,813	30,099	28,429	33,254	444,766
East North Central	46,162	38,765	33,241	33,154	30,880	35,952	488,639
Minnesota	4,174	3,190	2,728	3,215	3,705	4,353	55,796
Iowa	4,938	4,421	3,695	3,604	3,526	3,748	52,687
Missouri	10,117	9,605	7,997	7,751	6,337	5,822	91,902
North Dakota	636	522	481	510	495	570	6,756
South Dakota	1,339	1,036	848	902	1,054	1,346	15,156
Kansas	1,640	1,507	1,336	1,307	1,268	1,388	18,145
West North Central 1/	22,937	20,371	17,172	17,381	16,471	17,326	241,427
South Atlantic 1/	1,494	1,486	1,267	1,027	805	848	12,672
Kentucky	7,981	8,248	6,404	5,004	3,484	3,043	62,542
Tennessee	5,308	5,456	4,223	3,453	2,438	2,109	43,823
Alabama	426	408	420	295	243	394	4,388
Mississippi	2,367	2,279	1,802	1,479	1,128	1,283	20,860
Arkansas	3,167	2,687	3,033	2,169	969	835	24,767
Louisiana	36	25	39	34	13	36	326
Oklahoma	1,174	1,124	875	721	782	792	12,452
Texas	679	581	389	412	370	478	6,514
South Central	21,138	20,808	17,185	13,567	9,427	8,970	175,672
Montana	446	386	348	301	265	246	4,391
Idaho	2,111	1,852	1,497	1,030	1,063	1,198	18,619
Colorado	211	111	53	47	85	87	1,709
Utah	509	416	395	368	350	381	5,309
Mountain	3,277	2,765	2,293	1,746	1,763	1,912	30,028
Washington	185	132	92	136	124	114	1,773
Oregon	2,413	1,804	1,380	1,172	777	649	18,741
California	44	36	1	3	-	-	348
Pacific	2,642	1,972	1,473	1,311	901	763	20,862
UNITED STATES	101,465	87,442	73,783	69,409	61,161	66,932	1,020,939

1/ Regional totals include data for States not shown separately. States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 18.-Cheese, Italian: Production, by States, by months 1961--Cont.

State	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	103	96	79	136	120	140	1,521
Massachusetts	165	192	196	229	265	301	2,801
Connecticut	89	106	101	120	144	151	1,432
New York	1,801	2,101	2,124	2,570	2,734	3,278	29,840
New Jersey	243	310	287	318	338	446	3,890
Pennsylvania	284	320	336	326	397	454	3,889
Ohio	167	183	229	288	188	235	2,504
Illinois	746	744	681	738	776	874	9,372
Michigan	409	388	370	388	377	387	4,744
Wisconsin	7,394	6,680	6,214	7,351	7,151	7,935	94,653
California	505	457	380	402	471	484	5,529
All other States 1/	127	130	144	148	125	116	1,624
UNITED STATES	12,033	11,707	11,141	13,014	13,086	14,801	161,799

1/ States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 19.-Cheese, cottage, curd: Production, by States, by months, 1961 1/

State and division	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	11	620	913	789	731	959	727
New Hampshire	5	19	24	31	21	24	22
Vermont	11	1,366	1,497	1,489	1,468	1,787	1,638
Massachusetts	6	25	33	38	28	35	34
Connecticut	11	603	474	621	667	632	657
New England	44	2,633	2,941	2,968	2,915	3,437	3,078
New York	101	5,925	6,400	7,246	6,382	7,357	7,175
New Jersey	12	93	107	129	101	117	108
Pennsylvania	105	2,293	2,577	2,978	2,554	2,696	2,621
Middle Atlantic	218	8,311	9,084	10,353	9,037	10,170	9,904
Ohio	167	3,169	3,710	4,358	3,381	3,750	3,602
Indiana	54	1,414	1,479	1,783	1,535	1,647	1,591
Illinois	60	3,446	3,765	4,222	3,687	3,794	3,578
Michigan	72	3,022	3,361	3,519	3,098	3,588	3,212
Wisconsin	47	2,521	3,029	3,371	2,700	2,979	2,686
East North Central	400	13,572	15,344	17,253	14,401	15,758	14,669
Minnesota	15	1,077	1,234	1,441	1,224	1,339	1,235
Iowa	28	574	539	646	566	759	789
Missouri	22	1,412	1,583	1,798	1,613	1,557	1,531
North Dakota	3	41	44	50	38	43	42
South Dakota	8	199	216	213	206	248	229
Nebraska	17	401	437	525	425	474	444
Kansas	34	854	883	1,041	917	1,000	972
West North Central	127	4,558	4,936	5,714	4,989	5,420	5,242
Delaware	3	2	3	3	2	3	3
Maryland	12	564	640	745	629	690	650
Virginia	23	269	305	385	349	338	354
West Virginia	24	285	312	368	304	330	329
North Carolina	22	370	402	452	384	408	416
Georgia	14	118	151	184	152	173	150
Florida	6	276	326	353	266	276	277
South Atlantic 2/	108	2,115	2,410	2,825	2,362	2,527	2,476
Kentucky	27	489	548	604	516	556	543
Tennessee	23	914	1,034	1,201	1,002	1,041	982
Alabama	10	151	169	223	173	181	180
Mississippi	9	37	42	49	40	40	42
Arkansas	5	126	139	155	144	152	161
Louisiana	12	182	241	280	206	227	209
Oklahoma	16	660	672	828	766	714	711
Texas	28	873	991	1,169	982	1,096	960
South Central	130	3,432	3,836	4,509	3,829	4,007	3,788
Montana	16	153	151	181	174	183	183
Idaho	13	187	188	234	207	221	233
Wyoming	7	66	65	79	74	74	81
Colorado	32	591	672	758	639	685	681
New Mexico	4	146	177	188	171	166	168
Arizona	6	379	417	444	404	392	391
Utah	12	339	371	439	405	440	423
Nevada	4	26	27	32	30	32	30
Mountain	94	1,887	2,068	2,355	2,104	2,193	2,190
Washington	32	1,321	1,355	1,577	1,458	1,489	1,539
Oregon	19	646	646	753	701	749	742
California	35	7,009	6,708	7,679	7,453	7,424	7,507
Pacific	86	8,976	8,709	10,009	9,612	9,662	9,788
UNITED STATES	1,207	45,484	49,328	55,986	49,249	53,174	51,135

See footnotes at end of table.

Continued

Table 19.-Cheese, cottage, curd: Production, by States, by months, 1961 1/--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	749	872	617	591	694	532	8,794
New Hampshire	20	25	23	20	19	18	266
Vermont	1,518	1,482	1,404	1,491	1,516	1,417	18,073
Massachusetts	38	46	30	31	30	25	393
Connecticut	488	525	431	581	366	563	6,608
New England	2,813	2,950	2,505	2,714	2,625	2,555	34,134
New York	6,654	6,342	5,942	5,821	5,457	5,262	75,963
New Jersey	100	104	91	90	83	74	1,197
Pennsylvania	2,507	2,432	2,389	2,395	2,238	2,008	29,688
Middle Atlantic	9,261	8,878	8,422	8,306	7,778	7,344	106,848
Ohio	3,436	3,388	3,401	3,282	3,131	3,127	41,735
Indiana	1,561	1,578	1,533	1,510	1,407	1,326	18,364
Illinois	3,552	3,557	3,503	3,392	3,273	3,177	42,946
Michigan	3,006	2,969	2,733	2,801	2,715	2,615	36,639
Wisconsin	2,562	2,548	2,401	2,475	2,370	2,092	31,734
East North Central	14,117	14,040	13,571	13,460	12,896	12,337	171,418
Minnesota	1,225	1,051	690	869	838	742	12,965
Iowa	766	756	733	708	649	665	8,150
Missouri	1,576	1,553	1,536	1,530	1,387	1,276	18,352
North Dakota	41	41	39	40	37	38	494
South Dakota	235	228	190	201	184	154	2,503
Nebraska	453	434	414	433	411	374	5,225
Kansas	937	983	911	907	821	777	11,003
West North Central	5,233	5,046	4,513	4,688	4,327	4,026	58,692
Delaware	2	3	2	3	2	2	30
Maryland	637	604	592	563	540	502	7,356
Virginia	273	294	277	280	268	245	3,637
West Virginia	304	298	288	275	241	235	3,569
North Carolina	370	396	384	355	360	293	4,590
Georgia	161	154	148	156	144	120	1,811
Florida	271	267	248	273	248	258	3,339
South Atlantic 2/	2,292	2,279	2,204	2,128	2,006	1,846	27,470
Kentucky	549	521	524	485	455	427	6,217
Tennessee	900	989	888	859	809	747	11,366
Alabama	162	171	165	157	137	133	2,002
Mississippi	37	43	42	37	33	28	470
Arkansas	149	156	132	130	125	111	1,680
Louisiana	202	214	197	205	177	145	2,485
Oklahoma	675	699	685	662	594	567	8,233
Texas	929	1,056	956	945	814	733	11,504
South Central	3,603	3,849	3,589	3,480	3,144	2,891	43,957
Montana	175	175	147	162	185	161	2,030
Idaho	229	213	207	186	166	167	2,438
Wyoming	85	88	78	78	72	68	908
Colorado	685	680	626	630	565	561	7,773
New Mexico	159	156	145	143	113	122	1,854
Arizona	358	396	434	419	363	372	4,769
Utah	407	405	368	375	350	338	4,660
Nevada	33	35	30	30	30	26	361
Mountain	2,131	2,148	2,035	2,023	1,844	1,815	24,793
Washington	1,424	1,430	1,290	1,309	1,245	1,267	16,704
Oregon	764	719	631	610	585	576	8,122
California	7,545	7,585	6,879	7,511	6,646	6,181	86,127
Pacific	9,733	9,734	8,800	9,430	8,476	8,024	110,953
UNITED STATES	49,183	48,924	45,639	46,229	43,096	40,838	578,265

1/ Used for processing into full or partially creamed cottage cheese or for sale to consumers in dry form. Cottage cheese curd and full or partially creamed cottage cheese should not be added together to obtain consumption. Although a small quantity of cottage cheese curd is sold direct for consumption in dry form, most of it is creamed within the plant or shipped to another plant where a creaming mixture is added prior to sale. Partially creamed cottage cheese is shown by States in table 11.

2/ Regional totals include data for States not shown separately. States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 20.-Cheese, cottage, creamed: Production, by States, by months, 1961

State and division	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	14	861	1,271	1,091	1,001	1,278	982
New Hampshire	6	25	30	38	32	31	31
Vermont	9	1,201	1,519	1,477	1,291	1,593	1,367
Massachusetts	8	34	44	51	37	44	45
Connecticut	12	128	174	192	145	159	162
New England	49	2,249	3,038	2,849	2,506	3,105	2,587
New York	73	6,790	7,518	8,515	7,257	8,131	8,026
New Jersey	15	130	157	192	140	161	156
Pennsylvania	99	2,783	3,370	3,619	3,096	3,322	3,200
Middle Atlantic	187	9,703	11,045	12,326	10,493	11,614	11,382
Ohio	182	4,469	5,193	6,179	4,730	5,259	5,139
Indiana	57	2,184	2,274	2,737	2,369	2,569	2,506
Illinois	60	5,133	5,516	6,202	5,436	5,533	5,298
Michigan	74	4,308	4,721	5,005	4,374	4,908	4,669
Wisconsin	52	3,372	3,991	4,328	3,492	3,891	3,551
East North Central	425	19,466	21,695	24,451	20,401	22,160	21,163
Minnesota	17	1,544	1,732	2,067	1,737	1,915	1,771
Iowa	38	932	896	1,062	944	1,246	1,306
Missouri	22	1,626	1,781	2,011	1,756	1,755	1,714
North Dakota	9	88	99	115	94	100	98
South Dakota	10	269	293	294	279	331	315
Nebraska	16	631	682	812	642	724	702
Kansas	35	1,209	1,261	1,478	1,341	1,434	1,426
West North Central	147	6,299	6,744	7,839	6,793	7,505	7,332
Delaware	3	2	2	2	2	2	3
Maryland	11	791	930	1,089	905	980	935
Virginia	22	320	366	459	409	402	405
West Virginia	27	443	499	598	501	551	538
North Carolina	23	407	518	597	503	539	556
Georgia	14	165	212	255	210	240	208
Florida	6	397	485	533	384	399	397
South Atlantic 1/	109	2,865	3,411	4,009	3,309	3,584	3,477
Kentucky	35	745	830	948	797	867	889
Tennessee	24	1,275	1,447	1,662	1,391	1,437	1,350
Alabama	12	174	195	253	197	211	202
Mississippi	13	38	47	54	50	50	50
Arkansas	6	205	230	263	241	233	228
Louisiana	11	224	285	352	261	284	265
Oklahoma	16	975	1,000	1,230	1,133	1,079	1,060
Texas	34	1,171	1,325	1,619	1,236	1,405	1,211
South Central	151	4,807	5,359	6,381	5,306	5,566	5,255
Montana	20	252	242	289	269	290	292
Idaho	13	285	287	360	318	337	365
Wyoming	7	87	89	107	99	98	109
Colorado	41	883	986	1,147	945	1,014	1,007
New Mexico	7	283	363	368	323	338	334
Arizona	6	548	591	618	582	570	571
Utah	12	532	583	695	609	656	630
Nevada	4	38	40	46	44	47	44
Mountain	110	2,908	3,181	3,630	3,189	3,350	3,352
Washington	32	2,097	2,195	2,639	2,292	2,363	2,636
Oregon	21	993	1,019	1,140	1,073	1,168	1,135
California	32	9,198	9,019	10,189	9,670	9,907	9,946
Pacific	85	12,288	12,233	13,968	13,035	13,438	13,717
UNITED STATES	1,263	60,585	66,706	75,453	65,032	70,322	68,265

See footnote at end of table.

Continued

Table 20.-Cheese, cottage, creamed: Production, by States, by months, 1961--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	958	1,110	829	804	941	716	11,842
New Hampshire	36	42	30	28	26	24	373
Vermont	1,314	1,419	1,286	1,307	1,320	1,212	16,306
Massachusetts	50	60	40	41	40	33	519
Connecticut	149	137	138	102	60	61	1,607
New England	2,507	2,768	2,323	2,282	2,387	2,046	30,647
New York	7,927	7,682	7,149	6,936	6,434	6,249	88,614
New Jersey	141	147	130	126	113	104	1,697
Pennsylvania	3,087	3,030	2,928	2,941	2,789	2,626	36,791
Middle Atlantic	11,155	10,859	10,207	10,003	9,336	8,979	127,102
Ohio	4,838	4,741	4,816	4,682	4,488	4,441	58,975
Indiana	2,449	2,450	2,376	2,323	2,187	1,993	28,417
Illinois	5,283	5,255	5,155	4,919	4,677	5,039	63,446
Michigan	4,342	4,340	4,006	4,112	3,889	3,779	52,453
Wisconsin	3,390	3,317	3,094	3,176	3,037	2,727	41,366
East North Central	20,302	20,103	19,447	19,212	18,278	17,979	244,657
Minnesota	1,739	1,632	1,039	1,230	1,211	1,049	18,666
Iowa	1,262	1,253	1,189	1,212	1,146	1,133	13,581
Missouri	1,697	1,703	1,709	1,649	1,551	1,485	20,437
North Dakota	92	89	77	85	76	72	1,085
South Dakota	321	314	264	275	252	217	3,424
Nebraska	696	672	647	679	633	569	8,089
Kansas	1,371	1,424	1,336	1,332	1,206	1,160	15,978
West North Central	7,178	7,087	6,261	6,462	6,075	5,685	81,260
Delaware	2	2	2	2	2	1	24
Maryland	917	870	851	803	774	704	10,549
Virginia	317	342	331	320	317	294	4,282
West Virginia	490	485	463	437	393	374	5,772
North Carolina	484	525	490	457	445	374	5,895
Georgia	225	215	205	217	199	167	2,518
Florida	392	387	360	397	360	372	4,863
South Atlantic 1/	3,233	3,197	3,086	2,975	2,813	2,586	38,545
Kentucky	872	856	864	787	738	702	9,895
Tennessee	1,239	1,368	1,231	1,200	1,127	1,041	15,768
Alabama	182	203	201	182	160	149	2,309
Mississippi	45	50	49	46	39	34	552
Arkansas	219	219	194	191	178	159	2,560
Louisiana	263	285	255	251	214	188	3,127
Oklahoma	1,026	1,054	1,027	1,002	901	848	12,335
Texas	1,128	1,323	1,237	1,151	1,042	977	14,825
South Central	4,974	5,358	5,058	4,810	4,399	4,098	61,371
Montana	286	288	224	249	297	233	3,211
Idaho	346	334	306	290	261	260	3,749
Wyoming	117	117	105	103	94	88	1,213
Colorado	1,026	1,023	923	917	834	855	11,560
New Mexico	315	319	286	292	251	269	3,741
Arizona	538	586	649	632	563	581	7,029
Utah	607	596	558	573	528	522	7,089
Nevada	48	52	43	44	45	39	530
Mountain	3,283	3,315	3,094	3,100	2,873	2,847	38,122
Washington	2,225	2,248	2,229	2,076	1,968	2,180	27,148
Oregon	1,149	1,085	957	948	923	896	12,486
California	9,894	9,816	9,003	9,545	8,641	8,145	112,973
Pacific	13,268	13,149	12,189	12,569	11,532	11,221	152,607
UNITED STATES	65,900	65,836	61,665	61,413	57,693	55,441	774,311

1/ Regional totals include data for States not shown separately.
States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 21.-Condensed milk, whole, unsweetened, bulk goods: Production, by States, by months, 1961

State	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
New York	24	9,646	9,436	11,883	11,040	9,483	9,690
Pennsylvania	19	2,472	3,118	3,848	4,504	5,079	4,964
Ohio	11	1,205	1,106	1,757	1,352	1,779	1,876
Indiana	6	940	707	779	733	758	666
Illinois	3	321	324	716	265	457	470
Michigan	3	237	216	286	302	420	431
Wisconsin	10	1,999	1,704	2,691	2,224	2,419	3,019
Maryland	7	4,035	3,992	5,389	4,821	6,370	6,319
North Carolina	3	337	334	616	571	707	680
Kentucky	3	415	508	663	625	698	522
Tennessee	5	995	877	1,463	1,308	1,491	2,048
Mississippi	3	455	375	547	537	858	795
Washington	6	784	712	818	1,121	860	1,006
California	10	2,177	1,993	2,340	2,128	2,424	1,559
All other States 1/ ...	18	1,783	2,612	2,453	2,475	3,268	3,422
UNITED STATES	131	27,801	28,014	36,249	34,006	37,071	37,467

See footnote at end of table.

Continued

Table 22.--Condensed milk, skim, unsweetened, bulk goods: Production, by States, by months, 1961

State	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	5	228	326	390	507	635	673
New York	33	4,240	3,963	5,652	6,126	8,200	8,906
Pennsylvania	29	4,170	3,835	5,186	5,303	6,798	6,963
Ohio	24	2,611	2,872	3,713	3,428	3,870	4,089
Indiana	9	3,663	3,286	3,598	2,005	3,640	3,801
Illinois	13	1,334	1,269	1,713	1,876	2,350	2,603
Michigan	17	3,538	3,652	4,735	4,165	4,902	5,306
Wisconsin	24	7,890	7,787	8,916	8,425	9,310	10,954
Minnesota	5	795	870	908	940	957	1,182
Iowa	7	489	530	772	721	586	415
Missouri	8	828	1,000	1,435	1,642	1,832	1,988
Kansas	8	5,602	4,219	4,016	4,260	3,563	3,430
Maryland	5	1,803	1,501	1,807	1,749	4,267	3,491
Virginia	7	1,114	1,130	1,625	1,128	1,456	1,826
North Carolina	3	312	93	84	77	83	105
Kentucky	7	516	446	615	657	807	959
Tennessee	7	530	530	771	833	1,091	1,186
Mississippi	3	384	372	439	540	683	745
Oklahoma	8	1,343	1,208	1,859	2,105	2,709	3,184
Texas	10	2,332	2,333	3,242	3,782	4,074	3,937
Colorado	3	148	171	207	243	244	320
Arizona	4	453	310	352	153	136	129
Washington	12	807	869	957	1,081	1,153	1,464
Oregon	3	312	286	345	412	460	617
California	22	6,811	8,420	9,286	9,181	9,072	9,252
All other States 1/ ...	14	817	816	1,108	1,244	1,816	1,960
UNITED STATES	290	53,070	52,094	63,731	62,583	74,694	79,485

See footnote at end of table.

Continued

Table 21.-Condensed milk, whole, unsweetened, bulk goods: Production, by States, by months, 1961--Cont.

State	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
New York	11,336	11,837	10,209	8,704	7,943	7,775	118,982
Pennsylvania	5,728	6,178	5,715	4,798	3,987	4,418	54,809
Ohio	1,390	1,360	1,296	1,204	1,085	1,161	16,571
Indiana	645	747	719	642	593	586	8,515
Illinois	235	546	144	327	209	625	4,639
Michigan	349	276	244	262	267	302	3,592
Wisconsin	1,886	2,530	2,288	1,685	1,764	2,194	26,403
Maryland	6,150	5,867	5,095	4,277	3,326	2,828	58,469
North Carolina	548	611	321	373	446	470	6,014
Kentucky	555	477	403	294	235	182	5,577
Tennessee	2,199	2,205	1,803	1,232	1,074	759	17,454
Mississippi	822	877	704	638	394	245	7,247
Washington	1,073	847	842	922	704	745	10,434
California	1,959	1,660	940	956	825	646	19,607
All other States 1/	3,424	3,955	3,230	2,452	1,959	1,843	32,876
UNITED STATES	38,299	39,973	33,953	28,766	24,811	24,779	391,189

1/ States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 22.-Condensed milk, skim, unsweetened, bulk goods: Production, by States, by months, 1961--Cont.

State	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	953	1,026	706	467	483	465	6,859
New York	8,336	5,951	5,962	5,378	3,734	3,822	70,270
Pennsylvania	7,647	7,070	5,054	5,141	4,480	4,589	66,236
Ohio	4,395	4,236	3,797	3,748	3,198	3,296	43,253
Indiana	2,701	3,917	3,351	3,813	3,289	3,589	40,653
Illinois	2,519	2,903	2,513	2,126	2,323	2,536	26,065
Michigan	5,000	5,518	4,507	3,766	3,679	3,285	52,053
Wisconsin	9,926	9,835	9,589	11,537	10,761	12,660	117,590
Minnesota	1,238	928	687	747	717	710	10,679
Iowa	448	469	580	318	405	333	6,066
Missouri	1,987	2,021	2,078	2,963	2,727	2,165	22,666
Kansas	3,627	3,774	4,738	5,477	5,494	2,890	51,090
Maryland	2,433	2,693	2,348	2,070	1,736	2,231	28,129
Virginia	1,811	1,842	1,759	1,527	1,295	1,001	17,514
North Carolina	31	34	18	13	19	24	893
Kentucky	1,038	1,088	983	830	568	479	8,986
Tennessee	1,238	1,362	1,133	806	684	636	10,800
Mississippi	712	703	594	741	665	645	7,223
Oklahoma	2,839	3,060	2,351	1,842	1,742	1,607	25,849
Texas	4,268	4,403	3,434	3,720	2,801	2,617	40,943
Colorado	318	224	150	143	126	181	2,475
Arizona	125	131	136	129	124	77	2,255
Washington	1,434	1,358	1,046	1,142	1,018	680	13,009
Oregon	615	549	412	349	292	250	4,899
California	10,107	8,776	7,992	6,560	7,219	7,211	99,887
All other States 1/	1,664	1,892	1,374	892	804	965	15,352
UNITED STATES	77,410	75,763	67,292	66,245	60,383	58,944	791,694

1/ States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 23.-Evaporated milk, whole, unsweetened, case goods: Production, by States, by months, 1961

State and division	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Middle Atlantic 1/	3	12,153	11,400	14,197	14,332	16,245	15,318
Ohio	9	16,722	14,771	19,366	21,172	33,067	30,381
Illinois	6	6,341	6,734	9,701	10,415	12,842	10,401
Wisconsin	10	20,896	19,559	26,053	28,861	31,924	32,538
East North Central 1/..	27	47,725	45,275	60,108	67,045	89,424	84,832
West North Central 1/..	5	8,737	9,230	15,149	16,753	19,546	19,418
Virginia	3	4,704	4,247	5,533	7,344	13,166	13,109
South Atlantic 1/	7	13,156	11,692	15,856	19,663	30,222	28,525
Kentucky	3	8,947	9,235	15,527	19,537	26,995	26,814
Tennessee	4	7,142	7,324	10,259	14,265	22,834	23,894
South Central 1/	12	21,646	22,045	35,332	46,355	65,962	65,517
Utah	3	4,095	4,030	4,617	4,629	4,842	4,196
Mountain 1/	6	10,980	11,146	12,789	13,069	14,645	13,562
California	9	15,862	16,815	22,633	22,502	23,779	18,877
Pacific 1/	12	20,841	21,325	28,102	29,866	32,143	26,011
UNITED STATES	72	135,238	132,113	181,533	207,083	268,187	253,183

See footnote at end of table.

Continued

Table 24.-Dried milk, whole: Production, by States, by months, 1961

State	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
New York	3	1,226	1,039	1,402	1,504	1,259	1,556
Illinois	4	1,089	1,000	914	1,107	1,584	1,555
Michigan	7	1,204	1,024	1,100	900	1,070	1,279
Wisconsin	12	859	752	411	598	611	742
Minnesota	3	867	946	1,133	642	745	639
California	4	96	81	280	242	142	138
All other States 1/	16	1,225	1,269	1,605	1,192	2,027	1,594
UNITED STATES	49	6,566	6,111	6,845	6,185	7,438	7,503

See footnote at end of table.

Continued

Table 23.-Evaporated milk, whole, unsweetened, case goods: Production, by States, by months, 1961--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Middle Atlantic 1/	9,766	8,262	7,792	9,500	7,767	8,353	135,582
Ohio	20,913	17,684	15,930	14,597	12,492	13,165	230,260
Illinois	7,904	4,510	4,403	3,758	2,590	4,004	33,603
Wisconsin	19,776	15,115	12,473	15,832	15,273	18,545	256,345
East North Central 1/..	56,258	41,321	36,528	36,829	32,937	39,123	637,405
West North Central 1/..	18,476	16,281	14,376	11,183	8,612	8,692	166,453
Virginia	13,037	13,384	10,897	7,902	6,961	6,952	107,236
South Atlantic 1/	27,259	27,485	21,969	17,594	15,010	17,152	245,583
Kentucky	27,294	26,234	20,489	16,321	9,911	7,670	214,974
Tennessee	23,546	21,973	16,674	11,291	9,445	9,164	177,811
South Central 1/	65,358	62,201	48,420	35,984	26,175	23,036	518,031
Utah	3,949	3,341	2,781	3,006	2,985	3,184	45,655
Mountain 1/	12,107	10,940	7,588	7,043	6,802	7,696	128,367
California	17,295	16,403	14,511	13,305	14,438	15,905	212,325
Pacific 1/	24,197	21,953	20,734	19,940	19,933	21,001	286,046
UNITED STATES	213,421	188,443	157,407	138,073	117,236	125,550	2,117,467

1/ Regional totals include data for States not shown separately. States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 24.-Dried milk, whole: Production, by States, by months 1961--Cont.

State	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
New York	1,920	1,025	695	1,450	1,314	1,212	15,602
Illinois	1,331	820	1,031	1,180	1,026	830	13,467
Michigan	538	1,339	1,266	1,262	1,419	1,201	13,602
Wisconsin	400	1,288	628	997	1,126	937	9,349
Minnesota	777	581	556	748	952	1,087	9,673
California	124	117	47	160	117	185	1,729
All other States 1/	1,411	1,357	1,231	1,889	1,610	1,863	18,273
UNITED STATES	6,501	6,527	5,454	7,686	7,564	7,315	81,695

1/ States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 25.-Nonfat dry milk, spray process, for human consumption: Production, by States, by months, 1961

State	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	4	1,660	2,110	2,152	2,788	3,553	3,298
New York	27	11,746	10,862	14,284	16,729	18,886	19,888
Pennsylvania	12	2,952	2,916	4,315	4,954	6,422	6,027
Ohio	19	3,140	3,092	3,661	4,302	6,911	8,230
Indiana	6	774	1,101	1,254	1,236	2,214	2,718
Illinois	9	540	468	711	873	1,862	2,094
Michigan	17	4,833	4,329	5,678	6,541	7,771	8,599
Wisconsin	62	29,974	31,016	37,656	39,722	44,872	48,735
Minnesota	57	49,023	47,381	55,159	55,628	58,627	56,449
Iowa	22	12,160	12,818	14,514	14,934	17,730	17,794
Missouri	4	1,581	1,411	1,040	1,844	3,481	3,902
South Dakota	4	2,829	2,798	3,323	3,194	3,383	3,354
Nebraska	3	525	548	644	587	640	580
Kansas	8	1,370	1,792	2,595	2,810	4,123	3,578
Virginia	4	254	328	359	746	1,173	1,111
Kentucky	4	395	335	386	512	455	795
Oklahoma	3	18	115	212	325	433	278
Texas	3	267	429	804	980	1,020	834
Idaho	7	4,457	4,261	5,060	5,602	6,566	6,147
Utah	5	843	785	841	970	1,177	1,149
Washington	9	1,643	1,451	1,582	2,255	3,418	2,957
Oregon	4	297	328	554	1,131	1,237	1,003
California	20	3,445	3,843	5,883	7,559	10,275	9,003
All other States 1/ ...	13	3,210	2,831	4,141	4,583	5,844	6,089
UNITED STATES	326	137,936	137,348	166,808	180,805	212,073	214,612

See footnote at end of table.

Continued

Table 26.-Nonfat dry milk, roller process, for human consumption: Production, by States, by months, 1961

State	Plants	January	February	March	April	May	June
	Number	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	4	79	114	465	906	1,079	1,480
Massachusetts	4	426	333	362	861	1,210	1,579
New York	19	1,554	1,679	2,507	3,371	4,053	4,131
Pennsylvania	11	453	393	345	575	893	724
Ohio	8	284	218	268	411	909	1,264
Indiana	6	93	101	119	154	389	595
Michigan	10	635	576	861	928	1,143	1,281
Wisconsin	7	423	517	710	826	976	1,347
Minnesota	7	627	740	616	410	396	718
Iowa	21	1,897	1,858	1,867	1,921	2,087	2,374
North Dakota	3	5	4	18	92	124	97
Nebraska	4	420	485	455	393	465	465
Maryland	3	332	251	371	605	1,078	1,128
Oklahoma	4	219	217	413	467	578	456
Washington	3	164	141	150	17	-	-
California	3	361	305	462	453	473	374
All other States 1/ ...	17	696	632	849	1,033	1,352	1,204
UNITED STATES	134	8,668	8,564	10,838	13,423	17,205	19,217

See footnote at end of table.

Continued

Table 25.-Nonfat dry milk, spray process, for human consumption: Production, by States, by months, 1961--Cont.

State	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	1,641	1,503	1,655	1,971	1,972	1,372	25,675
New York	14,135	10,109	8,599	13,320	9,964	13,228	161,750
Pennsylvania	3,963	2,499	2,291	2,830	2,388	3,462	45,019
Ohio	6,228	5,496	3,586	4,119	3,602	4,349	56,716
Indiana	2,323	1,892	1,745	1,666	1,690	1,553	20,166
Illinois	1,533	1,259	697	536	602	877	12,052
Michigan	7,022	5,898	5,864	6,727	5,554	7,085	75,901
Wisconsin	37,643	29,038	25,521	31,053	33,057	39,236	427,528
Minnesota	43,271	29,849	24,091	29,007	36,252	46,831	531,568
Iowa	15,757	13,470	11,578	12,189	11,657	13,725	168,326
Missouri	3,200	3,385	1,696	1,129	739	790	24,198
South Dakota	3,330	2,405	2,667	2,600	2,610	3,144	35,637
Nebraska	542	541	509	762	815	946	7,639
Kansas	2,826	2,777	1,834	2,040	2,163	3,297	31,255
Virginia	891	942	625	466	462	585	7,942
Kentucky	813	916	803	761	609	644	7,424
Oklahoma	321	316	245	218	163	130	2,774
Texas	475	800	215	290	361	602	7,077
Idaho	5,795	5,350	5,047	4,724	4,564	4,832	62,405
Utah	1,061	907	764	627	697	792	10,613
Washington	2,511	2,278	2,093	1,913	1,815	2,425	26,341
Oregon	818	584	455	419	373	493	7,692
California	9,184	7,291	5,521	3,634	4,506	5,479	75,623
All other States 1/	4,511	4,634	3,733	3,298	2,140	3,944	48,958
UNITED STATES	169,794	134,139	111,884	126,304	128,755	159,821	1,880,279

1/ States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 26.-Nonfat dry milk, roller process, for human consumption: Production, by States, by months 1961--Cont.

State	July	August	September	October	November	December	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	908	682	168	379	125	137	6,522
Massachusetts	995	789	269	461	241	357	7,883
New York	1,746	1,170	951	1,619	1,175	1,603	25,559
Pennsylvania	336	262	148	151	105	266	4,651
Ohio	1,026	867	709	765	627	663	8,011
Indiana	470	278	212	136	102	219	2,868
Michigan	848	681	766	939	794	1,090	10,542
Wisconsin	881	675	452	575	808	1,015	9,205
Minnesota	231	141	134	159	177	228	4,577
Iowa	1,905	1,399	1,186	1,296	1,296	1,407	20,493
North Dakota	105	152	117	117	70	54	955
Nebraska	359	353	257	257	311	396	4,616
Maryland	748	603	280	257	120	259	6,032
Oklahoma	467	417	339	262	354	403	4,592
Washington	-	-	-	-	-	-	472
California	409	293	454	460	588	650	5,282
All other States 1/	1,039	963	802	714	680	842	10,806
UNITED STATES	12,473	9,725	7,244	8,547	7,573	9,589	133,066

1/ States not shown when less then 3 plants reported or individual plant operations might be disclosed.

Table 27.-Ice cream: Total production, by States, by months, 1961

State and division	Plants	January	February	March	April	May	June
	Number	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Maine	100	343	377	461	422	501	498
New Hampshire	107	49	52	63	73	112	149
Vermont	48	21	20	28	33	35	45
Massachusetts	502	1,856	1,973	2,471	2,227	2,822	3,111
Rhode Island	90	200	182	211	233	308	331
Connecticut	263	456	488	700	577	769	976
New England	1,110	2,925	3,092	3,934	3,565	4,547	5,110
New York	3,490	4,094	4,428	6,232	5,667	6,896	8,370
New Jersey	1,009	1,205	1,197	1,645	1,619	2,080	2,357
Pennsylvania	2,081	4,502	4,452	6,087	5,293	6,767	7,741
Middle Atlantic	6,580	9,801	10,077	13,964	12,579	15,743	18,468
Ohio	728	2,693	2,660	3,506	2,968	3,748	4,091
Indiana	752	1,863	1,949	2,514	2,207	2,773	3,169
Illinois	493	2,518	2,455	3,229	2,773	3,354	3,815
Michigan	377	2,051	2,155	2,571	2,410	2,804	3,254
Wisconsin	440	1,446	1,464	1,823	1,763	2,080	2,546
East North Central	2,790	10,571	10,683	13,643	12,121	14,759	16,875
Minnesota	219	1,283	1,236	1,510	1,445	1,595	1,917
Iowa	367	790	713	887	780	900	1,054
Missouri	221	1,020	1,022	1,342	1,177	1,424	1,629
North Dakota	78	175	172	212	191	245	308
South Dakota	71	151	162	178	163	204	230
Nebraska	98	591	616	736	689	707	837
Kansas	132	395	404	518	498	572	646
West North Central	1,186	4,405	4,325	5,383	4,943	5,647	6,621
District of Columbia	107	504	489	593	609	596	678
Delaware	44	327	322	427	366	462	445
Maryland	293	853	884	1,248	1,038	1,360	1,386
Virginia	181	758	764	1,039	883	1,106	1,233
West Virginia	78	273	316	431	332	440	516
North Carolina	215	870	822	1,180	1,062	1,258	1,401
South Carolina	69	182	225	250	218	328	308
Georgia	118	504	554	688	683	803	887
Florida	161	1,255	1,439	1,897	1,568	1,576	1,827
South Atlantic	1,266	5,526	5,815	7,753	6,759	7,929	8,681
Kentucky	163	259	281	334	300	367	447
Tennessee	156	894	957	1,227	1,114	1,403	1,619
Alabama	69	537	534	719	642	799	816
Mississippi	84	191	190	284	266	343	373
Arkansas	73	139	169	206	187	260	282
Louisiana	67	504	498	696	610	808	840
Oklahoma	65	346	386	470	421	526	576
Texas	289	1,348	1,389	1,893	1,751	2,070	2,104
South Central	966	4,218	4,404	5,829	5,291	6,576	7,057
Montana	176	139	139	176	155	189	234
Idaho	92	208	195	275	242	274	347
Wyoming	37	30	28	35	37	44	49
Colorado	124	417	555	668	585	693	741
New Mexico	43	99	94	113	108	143	144
Arizona	41	247	237	287	282	314	331
Utah	70	287	278	362	317	384	424
Nevada	16	45	40	53	50	57	77
Mountain	599	1,472	1,566	1,969	1,776	2,098	2,347
Washington	419	792	872	1,045	944	1,051	1,310
Oregon	218	390	361	458	454	503	653
California	404	3,882	3,928	4,672	4,572	5,098	5,644
Pacific	1,041	5,064	5,161	6,175	5,970	6,652	7,607
UNITED STATES	15,538	43,982	45,123	58,650	53,004	63,951	72,766

Continued

Table 27.-Ice cream: Total production, by States, by months, 1961--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Maine	596	716	515	456	363	386	5,634
New Hampshire	182	197	109	73	61	57	1,177
Vermont	54	55	41	31	22	26	411
Massachusetts	2,942	3,339	2,949	2,235	2,132	2,070	30,127
Rhode Island	366	435	311	233	177	161	3,148
Connecticut	829	891	875	629	579	603	8,372
New England	4,969	5,633	4,800	3,657	3,334	3,303	48,869
New York	8,388	8,390	7,547	5,747	5,141	4,807	75,707
New Jersey	2,649	2,372	1,939	1,418	1,099	1,046	20,626
Pennsylvania	7,478	8,127	7,155	5,990	5,023	4,716	73,331
Middle Atlantic	18,515	18,889	16,641	13,155	11,263	10,569	169,664
Ohio	3,946	4,414	3,775	3,209	2,778	2,533	40,321
Indiana	3,125	3,233	2,839	2,173	1,906	1,850	29,601
Illinois	3,785	3,927	3,389	2,947	2,545	2,551	37,238
Michigan	3,317	3,388	2,907	2,391	2,226	2,042	31,516
Wisconsin	2,573	2,703	2,142	1,843	1,638	1,553	23,574
East North Central	16,746	17,665	15,052	12,563	11,093	10,529	162,300
Minnesota	1,966	2,111	1,593	1,451	1,385	1,311	18,803
Iowa	1,010	1,104	906	740	702	559	10,145
Missouri	1,675	1,736	1,374	1,213	1,107	910	15,629
North Dakota	295	313	214	205	182	167	2,679
South Dakota	229	244	181	171	162	143	2,218
Nebraska	865	840	707	645	608	520	8,361
Kansas	660	657	548	461	426	382	6,167
West North Central	6,700	7,005	5,523	4,886	4,572	3,992	64,002
District of Columbia	753	782	727	590	595	501	7,417
Delaware	446	505	401	407	387	316	4,811
Maryland	1,404	1,427	1,265	1,059	974	854	13,752
Virginia	1,235	1,344	1,192	1,014	879	720	12,167
West Virginia	431	472	404	320	294	283	4,512
North Carolina	1,418	1,500	1,309	1,059	985	833	13,697
South Carolina	290	341	226	209	214	147	2,938
Georgia	847	872	752	661	559	464	8,274
Florida	1,698	1,846	1,653	1,534	1,306	1,288	18,887
South Atlantic	8,522	9,089	7,929	6,853	6,193	5,406	86,455
Kentucky	461	467	408	320	254	219	4,117
Tennessee	1,500	1,566	1,357	1,120	982	822	14,561
Alabama	807	826	723	604	493	367	7,867
Mississippi	358	375	287	263	190	163	3,283
Arkansas	286	294	213	178	157	149	2,520
Louisiana	830	826	695	660	473	422	7,862
Oklahoma	588	620	457	431	342	292	5,455
Texas	2,017	2,182	1,809	1,657	1,284	1,107	20,611
South Central	6,847	7,156	5,949	5,233	4,175	3,541	66,276
Montana	234	254	169	142	133	131	2,095
Idaho	352	364	217	216	216	181	3,087
Wyoming	58	60	41	36	32	26	476
Colorado	814	860	664	615	543	507	7,662
New Mexico	153	150	104	101	97	71	1,377
Arizona	322	343	274	261	230	203	3,331
Utah	449	444	324	298	277	245	4,089
Nevada	94	94	63	54	52	41	720
Mountain	2,476	2,569	1,856	1,723	1,580	1,405	22,837
Washington	1,351	1,347	925	852	873	954	12,316
Oregon	602	657	436	405	356	297	5,572
California	5,823	5,864	4,891	4,571	3,959	3,517	56,421
Pacific	7,776	7,868	6,252	5,828	5,188	4,768	74,309
UNITED STATES	72,551	75,874	64,002	53,898	47,398	43,513	694,712

Table 28.-Ice cream: Production by establishments with annual output of 20,000 gallons and over. by States, by months, 1961 1/

State and division	Plants	January	February	March	April	May	June
	Number	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Maine	7	332	364	446	406	482	473
New Hampshire	13	38	41	50	57	87	117
Vermont	4	16	15	21	25	25	33
Massachusetts	76	1,786	1,895	2,366	2,113	2,656	2,922
Rhode Island	12	186	168	193	213	278	298
Connecticut	26	425	452	639	513	674	868
New England	138	2,783	2,935	3,715	3,327	4,202	4,711
New York	119	3,863	4,139	5,732	4,888	5,737	6,856
New Jersey	43	1,125	1,115	1,434	1,276	1,554	1,819
Pennsylvania	231	4,369	4,318	5,830	4,855	6,081	6,685
Middle Atlantic	393	9,357	9,572	12,996	11,019	13,372	15,360
Ohio	105	2,585	2,548	3,362	2,838	3,584	3,904
Indiana	70	1,746	1,810	2,342	2,007	2,502	2,811
Illinois	98	2,460	2,399	3,154	2,702	3,267	3,713
Michigan	119	2,025	2,131	2,529	2,346	2,718	3,153
Wisconsin	84	1,384	1,400	1,743	1,678	1,958	2,400
East North Central	476	10,200	10,288	13,130	11,571	14,029	15,981
Minnesota	45	1,241	1,195	1,460	1,397	1,542	1,851
Iowa	43	719	646	805	705	809	947
Missouri	51	990	990	1,300	1,135	1,372	1,572
North Dakota	17	162	158	194	175	225	283
South Dakota	15	142	153	169	153	191	216
Nebraska	24	577	601	718	670	685	810
Kansas	36	377	383	492	470	540	608
West North Central	231	4,208	4,126	5,138	4,705	5,364	6,287
District of Columbia	6	489	475	566	575	554	624
Maryland	24	802	834	1,173	963	1,265	1,311
Virginia	28	734	740	1,008	854	1,067	1,193
West Virginia	9	256	307	418	321	425	500
North Carolina	36	837	782	1,130	1,008	1,202	1,336
South Carolina	8	176	218	243	211	318	298
Georgia	23	491	542	670	662	778	861
Florida	26	1,234	1,417	1,868	1,541	1,547	1,794
South Atlantic	161	5,339	5,631	7,494	6,491	7,605	8,345
Kentucky	29	240	263	314	281	343	418
Tennessee	35	876	939	1,201	1,089	1,370	1,582
Alabama	21	531	530	710	636	789	806
Mississippi	22	186	185	276	256	332	361
Arkansas	12	130	158	195	176	249	271
Louisiana	24	498	488	685	597	793	825
Oklahoma	24	338	377	459	409	512	562
Texas	73	1,312	1,355	1,844	1,701	2,014	2,046
South Central	240	4,111	4,295	5,684	5,145	6,402	6,871
Montana	20	112	110	141	123	150	184
Idaho	15	191	179	257	225	254	321
Wyoming	9	26	25	31	33	38	42
Colorado	27	398	533	644	561	663	710
New Mexico	7	94	91	108	103	135	135
Arizona	10	241	231	279	275	306	323
Utah	13	270	261	342	298	361	400
Nevada	6	45	40	53	50	57	76
Mountain	107	1,377	1,470	1,855	1,668	1,964	2,191
Washington	31	737	811	972	883	981	1,220
Oregon	27	354	327	415	411	455	592
California	100	3,796	3,833	4,572	4,468	4,987	5,505
Pacific	158	4,887	4,971	5,959	5,762	6,423	7,317
UNITED STATES	1,904	42,262	43,288	55,971	49,688	59,361	67,063

See footnote at end of table.

Continued

Table 28.-Ice cream: Production by establishments with annual output of 20,000 gallons and over, by States, by months, 1961 1/--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Maine	566	681	496	440	350	373	5,409
New Hampshire	145	157	86	57	48	46	929
Vermont	39	39	29	23	17	19	301
Massachusetts	2,738	3,125	2,800	2,131	2,044	1,988	28,564
Rhode Island	328	395	235	215	163	149	2,871
Connecticut	712	766	780	579	532	568	7,508
New England	4,528	5,163	4,476	3,445	3,154	3,143	45,582
New York	6,669	6,868	6,581	5,192	4,782	4,521	65,828
New Jersey	2,098	1,856	1,609	1,216	940	944	16,986
Pennsylvania	6,422	7,072	6,409	5,612	4,824	4,582	67,059
Middle Atlantic	15,189	15,796	14,599	12,020	10,546	10,047	149,873
Ohio	3,758	4,213	3,612	3,077	2,666	2,430	38,577
Indiana	2,732	2,834	2,527	1,994	1,772	1,737	26,814
Illinois	3,683	3,822	3,302	2,874	2,484	2,492	36,352
Michigan	3,196	3,274	2,833	2,355	2,198	2,014	30,772
Wisconsin	2,406	2,548	2,025	1,759	1,571	1,494	22,366
East North Central	15,775	16,691	14,299	12,059	10,691	10,167	154,881
Minnesota	1,899	2,042	1,543	1,408	1,343	1,272	18,193
Iowa	907	996	820	672	639	507	9,172
Missouri	1,614	1,673	1,324	1,173	1,073	881	15,097
North Dakota	269	288	198	189	167	154	2,462
South Dakota	214	231	171	161	153	135	2,089
Nebraska	838	814	687	627	592	505	8,124
Kansas	624	621	522	438	407	366	5,848
West North Central	6,365	6,665	5,265	4,668	4,374	3,820	60,985
District of Columbia	691	716	684	559	572	483	6,988
Maryland	1,326	1,348	1,200	1,009	933	819	12,983
Virginia	1,194	1,301	1,162	990	860	704	11,807
West Virginia	415	456	392	311	286	275	4,362
North Carolina	1,354	1,439	1,253	1,018	947	807	13,113
South Carolina	280	329	218	203	207	142	2,843
Georgia	819	846	731	645	545	452	8,042
Florida	1,665	1,812	1,623	1,507	1,280	1,264	18,552
South Atlantic	8,171	8,733	7,650	6,637	6,008	5,255	83,359
Kentucky	432	436	383	300	240	206	3,856
Tennessee	1,465	1,531	1,329	1,097	965	807	14,251
Alabama	799	816	715	598	488	364	7,782
Mississippi	347	363	278	254	185	159	3,182
Arkansas	272	282	204	171	150	143	2,401
Louisiana	817	814	680	646	462	414	7,719
Oklahoma	573	605	445	420	333	285	5,318
Texas	1,962	2,122	1,759	1,607	1,249	1,078	20,049
South Central	6,667	6,969	5,793	5,093	4,072	3,456	64,558
Montana	184	202	135	113	106	105	1,665
Idaho	325	337	202	201	201	167	2,860
Wyoming	50	52	36	32	29	23	417
Colorado	778	822	636	590	523	488	7,346
New Mexico	144	141	98	95	92	67	1,303
Arizona	313	333	266	254	224	198	3,243
Utah	424	419	306	279	260	230	3,850
Nevada	93	93	62	54	52	41	716
Mountain	2,311	2,399	1,741	1,618	1,487	1,319	21,400
Washington	1,259	1,257	862	797	815	895	11,489
Oregon	545	596	394	366	322	267	5,044
California	5,677	5,728	4,780	4,473	3,877	3,447	55,143
Pacific	7,481	7,581	6,036	5,636	5,014	4,609	71,676
UNITED STATES	66,487	69,997	59,859	51,176	45,346	41,816	652,314

1/ Regional totals include data for States not shown separately. States not shown when less than 3 plants reported or individual plant operations might be disclosed.

Table 29.-Ice cream: Production by establishments with annual output of less than 20,000 gallons, by States, by months, 1961

State and division	Plants	January	February	March	April	May	June
	Number	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Maine	93	11	13	15	16	19	25
New Hampshire	94	11	11	13	16	25	32
Vermont	44	5	5	7	8	10	12
Massachusetts	426	70	78	105	114	166	189
Rhode Island	78	14	14	18	20	30	33
Connecticut	237	31	36	61	64	95	108
New England	972	142	157	219	238	345	399
New York	3,371	231	289	500	779	1,159	1,514
New Jersey	966	80	82	211	343	526	538
Pennsylvania	1,850	133	134	257	438	686	1,056
Middle Atlantic	6,187	444	505	968	1,560	2,371	3,108
Ohio	623	108	112	144	130	164	187
Indiana	682	117	139	172	200	271	358
Illinois	395	58	56	75	71	87	102
Michigan	258	26	24	42	64	86	101
Wisconsin	356	62	64	80	85	122	146
East North Central	2,314	371	395	513	550	730	894
Minnesota	174	42	41	50	48	53	66
Iowa	324	71	67	82	75	91	107
Missouri	170	30	32	42	42	52	57
North Dakota	61	13	14	18	16	20	25
South Dakota	56	9	9	9	10	13	14
Nebraska	74	14	15	18	19	22	27
Kansas	96	18	21	26	28	32	38
West North Central	955	197	199	245	238	283	334
District of Columbia	101	15	14	27	34	42	54
Delaware	43	7	6	9	10	13	17
Maryland	269	51	50	75	75	95	75
Virginia	153	24	24	31	29	39	40
West Virginia	69	17	9	13	11	15	16
North Carolina	179	33	40	50	54	56	65
South Carolina	61	6	7	7	7	10	10
Georgia	95	13	12	18	21	25	26
Florida	135	21	22	29	27	29	33
South Atlantic	1,105	187	184	259	268	324	336
Kentucky	134	19	18	20	19	24	29
Tennessee	121	18	18	26	25	33	37
Alabama	48	6	4	9	6	10	10
Mississippi	62	5	5	8	10	11	12
Arkansas	61	9	11	11	11	11	11
Louisiana	43	6	10	11	13	15	15
Oklahoma	41	8	9	11	12	14	14
Texas	216	36	34	49	50	56	58
South Central	726	107	109	145	146	174	186
Montana	156	27	29	35	32	39	50
Idaho	77	17	16	18	17	20	26
Wyoming	28	4	3	4	4	6	7
Colorado	97	19	22	24	24	30	31
New Mexico	36	5	3	5	5	8	9
Arizona	31	6	6	8	7	8	8
Utah	57	17	17	20	19	23	24
Nevada	10	-	-	-	-	-	1
Mountain	492	95	96	114	108	134	156
Washington	388	55	61	73	61	70	90
Oregon	191	36	34	43	43	48	61
California	304	86	95	100	104	111	139
Pacific	883	177	190	216	208	229	290
UNITED STATES	13,634	1,720	1,835	2,679	3,316	4,590	5,703

Continued

Table 29.-Ice cream: Production by establishments with annual output of less than 20,000 gallons, by States, by months, 1961--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Maine	30	35	19	16	13	13	225
New Hampshire	37	40	23	16	13	11	248
Vermont	15	16	12	8	5	7	110
Massachusetts	204	214	149	104	88	82	1,563
Rhode Island	38	40	26	13	14	12	277
Connecticut	117	125	95	50	47	35	864
New England	441	470	324	212	180	160	3,287
New York	1,719	1,522	966	555	359	286	9,879
New Jersey	551	516	330	202	159	102	3,640
Pennsylvania	1,056	1,055	746	378	199	134	6,272
Middle Atlantic	3,326	3,093	2,042	1,135	717	522	19,791
Ohio	188	201	163	132	112	103	1,744
Indiana	393	399	312	179	134	113	2,787
Illinois	102	105	87	73	61	59	936
Michigan	121	114	74	36	28	28	744
Wisconsin	167	155	117	84	67	59	1,208
East North Central	971	974	753	504	402	362	7,419
Minnesota	67	69	50	43	42	39	610
Iowa	103	108	86	68	63	52	973
Missouri	61	63	50	40	34	29	532
North Dakota	26	25	16	16	15	13	217
South Dakota	15	13	10	10	9	8	129
Nebraska	27	26	20	18	16	15	237
Kansas	36	36	26	23	19	16	319
West North Central	335	340	258	218	198	172	3,017
District of Columbia	62	66	43	31	23	18	429
Delaware	19	19	14	12	9	7	142
Maryland	78	79	65	50	41	35	769
Virginia	41	43	30	24	19	16	360
West Virginia	16	16	12	9	8	8	150
North Carolina	64	61	56	41	38	26	534
South Carolina	10	12	8	6	7	5	95
Georgia	28	26	21	16	14	12	232
Florida	33	34	30	27	26	24	335
South Atlantic	351	356	279	216	185	151	3,096
Kentucky	29	31	25	20	14	13	261
Tennessee	35	35	28	23	17	15	310
Alabama	8	10	8	6	5	3	85
Mississippi	11	12	9	9	5	4	101
Arkansas	14	12	9	7	7	6	119
Louisiana	13	12	15	14	11	8	143
Oklahoma	15	15	12	11	9	7	137
Texas	55	60	50	50	35	29	562
South Central	180	187	156	140	103	85	1,718
Montana	50	52	34	29	27	26	430
Idaho	27	27	15	15	15	14	227
Wyoming	8	8	5	4	3	3	59
Colorado	36	38	28	25	20	19	316
New Mexico	9	9	6	6	5	4	74
Arizona	9	10	8	7	6	5	88
Utah	25	25	18	19	17	15	239
Nevada	1	1	1	-	-	-	4
Mountain	165	170	115	105	93	86	1,437
Washington	92	90	63	55	58	59	827
Oregon	57	61	42	39	34	30	528
California	146	136	111	98	82	70	1,278
Pacific	295	287	216	192	174	159	2,633
UNITED STATES	6,064	5,877	4,143	2,722	2,052	1,697	42,398

Table 30.-Ice milk: Production, by States, by months, 1961 1/

State and division	Plants	January	February	March	April	May	June
	Number	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Maine	238	14	15	23	53	89	114
New Hampshire 2/	28	-	-	-	-	-	-
Vermont	83	1	1	3	7	20	25
Massachusetts	392	73	69	111	173	286	336
Rhode Island	51	8	7	10	17	28	35
Connecticut	194	22	27	57	78	110	130
New England	986	118	119	204	328	533	640
New York 2/	350	40	47	77	96	136	187
New Jersey	148	15	15	37	51	69	76
Pennsylvania	1,027	249	299	479	553	824	1,128
Middle Atlantic	1,525	304	361	593	700	1,029	1,391
Ohio	2,120	327	321	620	670	1,054	1,249
Indiana 2/	410	81	88	133	145	207	287
Illinois	1,943	354	419	648	903	1,148	1,404
Michigan 2/	966	92	86	130	154	214	676
Wisconsin	913	100	117	193	247	397	531
East North Central	6,352	954	1,031	1,724	2,119	3,020	4,147
Minnesota	877	150	149	255	344	441	579
Iowa 3/	750	110	115	160	292	364	444
Missouri	1,138	224	276	411	508	669	764
North Dakota 2/	189	19	24	38	60	91	120
South Dakota	303	38	38	58	77	120	170
Nebraska	591	124	160	220	274	348	423
Kansas 4/	714	144	173	279	326	387	478
West North Central	4,562	809	935	1,421	1,881	2,420	2,978
District of Columbia	65	20	19	26	31	54	60
Delaware	50	23	24	27	35	38	80
Maryland 2/	255	28	28	41	52	59	234
Virginia 5/	616	133	156	256	265	362	433
West Virginia	345	36	38	78	94	128	169
North Carolina 6/	412	440	477	831	688	912	935
South Carolina	189	92	95	132	121	175	193
Georgia	388	218	220	377	341	434	513
Florida	596	387	458	612	598	602	711
South Atlantic	2,916	1,377	1,515	2,380	2,225	2,764	3,328
Kentucky	512	83	100	163	187	268	299
Tennessee	717	347	355	522	560	703	878
Alabama	281	234	262	376	352	478	571
Mississippi 6/	363	84	98	150	145	214	259
Arkansas	482	72	104	132	165	213	227
Louisiana	372	122	131	191	212	278	317
Oklahoma	481	164	173	241	269	330	402
Texas	479	190	218	308	314	405	386
South Central	3,687	1,296	1,441	2,083	2,204	2,889	3,339
Montana 7/	328	42	41	69	68	103	125
Idaho	323	46	46	67	71	99	134
Wyoming	135	9	11	15	24	37	51
Colorado	609	100	121	159	189	240	294
New Mexico	224	39	50	64	77	100	104
Arizona	179	71	74	102	98	118	124
Utah	256	87	85	122	112	129	178
Nevada	46	17	16	21	22	33	41
Mountain	2,100	411	444	619	661	859	1,051
Washington	747	170	180	267	263	301	397
Oregon 8/	812	160	155	219	219	287	365
California 9/	2,474	1,347	1,360	1,620	1,744	1,919	2,281
Pacific	4,033	1,677	1,695	2,106	2,226	2,507	3,043
UNITED STATES	26,161	6,946	7,541	11,130	12,344	16,021	19,917

1/ Includes freezer-made milkshake.
2/ Ice milk legalized in 1961. Includes products described in previous issues of this bulletin as "low fat ingredient for milkdrink" in Indiana, "imitation ice cream" in North Dakota.
3/ Includes substandard frozen desserts.

Continued

Table 30.-Ice milk: Production, by States, by months, 1961 1/--Cont.

State and division	July	August	September	October	November	December	Total
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Maine	132	127	69	31	17	13	697
New Hampshire 2/	6	7	2	1	1	-	17
Vermont	35	30	13	3	2	1	141
Massachusetts	333	389	208	143	108	71	2,360
Rhode Island	40	36	18	13	8	7	227
Connecticut	141	149	118	53	43	21	949
New England	742	738	428	249	179	113	4,391
New York 2/	124	116	94	61	43	32	1,053
New Jersey	76	74	49	38	25	19	544
Pennsylvania	1,111	1,165	892	532	367	321	7,920
Middle Atlantic	1,311	1,355	1,035	631	435	372	9,517
Ohio	1,357	1,341	1,080	569	438	320	9,346
Indiana 2/	390	514	468	323	245	226	3,107
Illinois	1,563	1,507	1,194	713	458	430	10,741
Michigan 2/	888	867	592	318	232	215	4,464
Wisconsin	537	566	349	223	148	122	3,530
East North Central	4,735	4,795	3,683	2,146	1,521	1,313	31,188
Minnesota	582	570	346	256	181	138	3,991
Iowa 3/	491	461	332	156	136	93	3,154
Missouri	838	837	632	456	257	227	6,099
North Dakota 2/	115	108	52	31	24	17	699
South Dakota	173	174	81	57	40	31	1,057
Nebraska	430	432	274	237	153	118	3,193
Kansas 4/	487	487	351	284	197	156	3,749
West North Central	3,116	3,069	2,068	1,477	988	780	21,942
District of Columbia	67	74	36	38	27	26	478
Delaware	66	71	60	58	47	42	571
Maryland 2/	258	265	223	162	134	115	1,599
Virginia 5/	463	529	357	262	201	168	3,585
West Virginia	169	199	125	77	55	43	1,211
North Carolina 6/	992	1,092	876	708	649	476	9,076
South Carolina	203	228	192	139	124	87	1,781
Georgia	543	568	455	356	302	208	4,535
Florida	732	759	672	549	542	463	7,085
South Atlantic	3,493	3,735	2,996	2,349	2,031	1,628	29,921
Kentucky	334	322	260	180	119	94	2,409
Tennessee	887	962	750	574	426	338	7,302
Alabama	545	607	461	347	252	198	4,683
Mississippi 6/	242	259	217	185	133	92	2,078
Arkansas	250	245	190	147	107	83	1,935
Louisiana	312	327	259	232	164	152	2,697
Oklahoma	414	410	321	269	187	153	3,333
Texas	401	409	337	307	204	193	3,672
South Central	3,385	3,541	2,795	2,241	1,592	1,303	28,109
Montana 7/	138	124	80	54	46	39	929
Idaho	139	147	83	69	52	47	1,000
Wyoming	61	56	34	24	15	12	349
Colorado	312	324	203	146	131	127	2,346
New Mexico	111	107	79	64	42	37	874
Arizona	119	106	102	81	68	51	1,114
Utah	184	180	129	107	92	82	1,487
Nevada	43	48	30	21	18	19	329
Mountain	1,107	1,092	740	566	464	414	8,428
Washington	441	417	286	217	214	199	3,352
Oregon 8/	376	404	284	211	175	147	3,002
California 9/	2,503	2,502	1,977	1,757	1,299	1,004	21,313
Pacific	3,320	3,323	2,547	2,185	1,688	1,350	27,667
UNITED STATES	21,209	21,698	16,292	11,844	8,948	7,273	161,163

4/ "Ice milk" for Kansas refers to the product elsewhere usually known by that name and does not conform to the Kansas Dairy Law which, for taxation purposes, states that all frozen products containing less than 10 percent milkfat are "ice milk".
5/ State law also permits use of term "milk sherbet" for this product.
6/ Includes milkshake base.
7/ Includes lowfat ice cream.
8/ Includes substandard ice cream.
9/ Includes freezer-made "milkdrink".

Table 31.-Whole milk used in manufactured dairy products: Calculated quantities used in specified products, on a whole-milk-equivalent basis, by States, 1961 1/

State and division	Creamery butter	Cheese		Evaporated milk (unsweetened) Case	Condensed milk (unsweetened) Bulk	Condensed milk (sweetened) Case & Bulk
		American	Other than American			
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	3,358	-	1,729	-	30,025	-
New Hampshire	25	-	25	-	-	-
Vermont	110,051	87,135	7,030	-	6,371	51
Massachusetts	2,090	-	18,228	-	26	-
Rhode Island	-	-	1,233	-	-	-
Connecticut	-	-	5,650	-	239	-
New England	115,524	87,135	33,395	-	36,661	51
New York	1,248,961	456,141	533,948	69,086	293,324	1,994
New Jersey	272	5,574	16,785	-	-	-
Pennsylvania	404,583	2,981	101,501	226,341	132,195	3,902
Middle Atlantic	1,653,821	464,696	652,234	295,427	425,519	5,896
Ohio	336,159	171,134	187,043	461,679	36,967	9,925
Indiana	497,277	237,339	85,418	56,742	18,997	-
Illinois	812,910	307,401	462,730	179,785	11,102	39,033
Michigan	1,103,127	280,976	48,074	80,419	8,377	29,346
Wisconsin	6,131,076	4,727,935	1,524,688	558,370	63,859	40,707
East North Central	9,430,540	5,774,785	2,307,958	1,336,995	139,302	119,011
Minnesota	7,931,054	592,411	193,926	46,640	-	17,561
Iowa	3,827,879	550,278	8,311	-	-	-
Missouri	1,035,732	873,536	58,741	188,698	3,116	-
North Dakota	1,295,365	69,388	28	-	-	-
South Dakota	905,398	157,760	-	-	-	-
Nebraska	1,352,409	10,091	-	-	6,657	249
Kansas	769,456	183,624	-	88,601	1,527	687
West North Central	17,167,293	2,437,088	261,006	323,939	11,300	18,497
District of Columbia	-	-	-	-	-	-
Delaware	-	-	-	-	-	-
Maryland	178,199	10	-	68,408	129,453	-
Virginia	70,550	54,998	-	199,512	2,605	23
West Virginia	2,759	-	-	69,977	-	-
North Carolina	12,973	29,000	-	64,044	11,889	-
South Carolina	4,350	-	101	57,336	-	-
Georgia	5,894	26,441	-	-	11,934	254
Florida	-	-	-	-	-	-
South Atlantic	274,725	110,449	101	459,277	155,881	277
Kentucky	286,454	568,849	1,111	396,267	11,429	-
Tennessee	223,157	389,533	74,793	324,032	35,376	-
Alabama	186	37,332	-	-	-	-
Mississippi	135,473	177,471	-	88,991	14,462	28,633
Arkansas	74,292	218,474	33,608	74,047	-	-
Louisiana	37,887	2,986	-	1,769	-	49
Oklahoma	346,048	114,765	-	-	-	505
Texas	98,262	57,849	-	63,213	-	1,833
South Central	1,201,759	1,567,259	109,512	948,319	61,267	31,020
Montana	94,711	42,561	105	-	-	-
Idaho	741,172	307,694	75,253	148,668	-	-
Wyoming	54,467	-	24,294	-	-	-
Colorado	227,290	28,459	434	30,398	1,751	451
New Mexico	5,283	-	-	-	-	-
Arizona	14,078	-	1,341	-	3,939	642
Utah	182,164	58,374	52,665	102,873	6,845	-
Nevada	6,482	710	-	-	-	-
Mountain	1,325,647	437,798	154,092	281,939	12,535	1,093
Washington	440,687	27,455	3,064	121,760	22,714	98
Oregon	229,955	166,138	1,510	20,676	-	-
California	821,519	32,271	113,280	448,179	46,042	83,641
Pacific	1,492,161	225,864	117,854	590,615	68,756	83,739
UNITED STATES	32,661,470	11,105,074	3,636,652	4,236,511	911,221	259,584

1/ Total whole-milk equivalent of factory dairy products calculated from production in each State as reported to the Statistical Reporting Service, and pounds of fat received at plants per pound of product made and test of milk used currently for each purpose. No adjustment has been made for shipments of milk and cream between States differing in the test of milk produced. Because of interstate shipments the milk equivalent of products manufactured in each State does not necessarily show utilization of milk produced in the State.

(Continued on page 61.)

Table 31.-Whole milk used in manufactured dairy products: Calculated quantities used in specified products, on a whole-milk-equivalent basis, by States 1961 1/--Cont.

State and division	Dry whole milk	Ice cream and other frozen products	Other milk products 2/	Total	Duplications	Net total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	-	81,102	13,434	129,640	26,536	103,112
New Hampshire	-	19,798	429	20,277	6,823	13,454
Vermont	24,772	7,158	19,467	262,035	7,793	254,242
Massachusetts	-	475,528	608	496,480	182,794	313,686
Rhode Island	-	47,775	-	49,008	13,750	35,258
Connecticut	-	133,766	2,626	142,281	7,231	135,050
New England	24,772	765,127	36,564	1,099,729	244,927	854,802
New York	116,704	1,175,429	115,124	4,010,711	512,242	3,498,469
New Jersey	-	324,224	2,071	343,926	19,005	329,921
Pennsylvania	13,432	1,187,051	44,933	2,116,924	65,276	2,051,648
Middle Atlantic	130,136	2,686,704	162,128	6,476,561	596,523	5,880,038
Ohio	51,809	634,176	121,318	2,560,206	85,791	2,474,415
Indiana	16,658	391,995	33,272	1,387,698	81,453	1,306,245
Illinois	99,074	642,588	90,534	2,645,157	186,056	2,459,101
Michigan	99,810	498,370	102,946	2,251,445	70,232	2,181,213
Wisconsin	68,401	390,271	155,744	13,661,051	500,897	13,160,154
East North Central	335,752	2,557,400	503,814	22,505,557	924,429	21,581,128
Minnesota	74,416	340,171	26,269	9,272,448	97,749	9,174,699
Iowa	10,301	174,399	31,958	4,603,126	51,543	4,551,583
Missouri	-	242,567	25,901	2,428,291	74,530	2,353,761
North Dakota	-	46,410	1,375	1,412,566	21,695	1,390,871
South Dakota	1,368	44,587	4,454	1,113,567	19,589	1,093,978
Nebraska	967	158,066	9,945	1,538,384	40,364	1,498,020
Kansas	54	118,011	19,564	1,181,524	18,351	1,163,173
West North Central	87,106	1,124,211	119,466	21,549,906	323,821	21,226,085
District of Columbia	-	120,753	5,310	126,063	46,441	79,622
Delaware	-	76,424	27	76,451	28,559	47,892
Maryland	1,855	227,231	12,803	617,959	84,634	533,325
Virginia	-	193,808	5,213	526,709	53,627	473,082
West Virginia	-	72,067	6,880	151,683	3,143	148,540
North Carolina	-	251,033	6,990	375,929	93,975	281,954
South Carolina	-	52,152	281	114,220	19,468	94,752
Georgia	-	147,226	2,883	194,632	24,731	169,901
Florida	-	294,614	5,461	300,075	96,848	203,227
South Atlantic	1,855	1,435,308	45,848	2,483,721	451,426	2,032,295
Kentucky	-	69,726	11,636	1,345,472	44,171	1,301,301
Tennessee	-	224,110	17,889	1,288,890	60,737	1,228,153
Alabama	-	138,929	2,949	179,396	33,909	145,487
Mississippi	-	51,838	604	497,472	14,381	483,091
Arkansas	-	44,282	2,931	447,634	22,477	425,157
Louisiana	-	121,131	3,833	167,655	5,285	162,370
Oklahoma	-	102,394	14,906	578,618	23,550	555,068
Texas	-	304,089	21,592	546,838	31,264	515,574
South Central	-	1,056,499	76,340	5,051,975	235,774	4,816,201
Montana	-	38,429	3,896	179,702	7,913	171,789
Idaho	-	55,213	56,362	1,384,362	53,020	1,331,342
Wyoming	-	10,198	1,545	90,504	5,268	85,236
Colorado	-	135,014	14,349	438,146	8,036	430,110
New Mexico	-	27,116	4,420	36,819	1,020	35,799
Arizona	-	62,653	8,799	91,452	2,658	88,794
Utah	3,039	74,585	8,733	489,278	33,342	455,936
Nevada	2,521	15,817	665	26,195	710	25,485
Mountain	5,560	419,025	98,769	2,736,458	111,967	2,624,491
Washington	1,285	198,211	30,556	845,830	10,896	834,934
Oregon	2,005	91,361	14,775	526,420	19,043	507,377
California	12,690	1,032,310	249,621	2,839,553	134,054	2,705,499
Pacific	15,980	1,321,882	294,952	4,211,803	163,993	4,047,810
UNITED STATES	601,161	11,366,156	1,337,881	66,115,710	3,052,860	63,062,850

Footnotes for table 31 continued.

In order to avoid duplication in calculating the milk equivalent of all products made, deductions were made for the amount of fat recovered in whey cream and used for making butter, and for the amount of fat from butter and concentrated milk used in making ice cream based on information obtained from plants.

2/ Includes milk equivalents of dry cream, malted milk powder, part-skim dry milk, dry or concentrated ice cream mix, partially and full creamed cottage cheese, dehydrated butterfat, and other special milk products.

Table 32.-Skim milk equivalents: Calculated quantities used in specified skim milk and buttermilk products, by States, 1961 1/

State and division	Cottage cheese curd	Sweetened condensed skim milk, bulk	Unsweetened condensed skim milk, case & bulk	Condensed or evaporated buttermilk	Dry or powdered		Other products 3/	Total
					Buttermilk	Nonfat milk 2/		
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Maine	54,962	405	13,335	-	-	-	-	68,702
New Hampshire	1,662	-	-	-	-	-	-	1,662
Vermont	112,956	777	20,577	-	-	359,293	3,760	497,363
Massachusetts	2,456	-	7,725	-	-	123,288	-	133,469
Connecticut	41,300	-	-	-	-	-	-	41,300
New England	213,336	1,182	41,637	-	-	482,581	3,760	742,496
New York	474,769	12,438	210,810	-	21,483	2,070,145	240	2,789,885
New Jersey	7,481	-	-	-	-	1,221	430	9,132
Pennsylvania	185,550	30,978	198,708	48	7,117	551,375	-	973,776
Middle Atlantic	667,800	43,416	409,518	48	28,600	2,622,741	720	3,772,843
Ohio	260,844	5,052	141,237	-	23,815	717,310	51,072	1,199,330
Indiana	114,775	258	126,447	-	6,996	261,976	16,278	526,730
Illinois	268,412	1,722	82,044	474	4,037	134,277	2,248	493,214
Michigan	228,994	510	156,159	-	30,074	982,751	-	1,398,488
Wisconsin	198,338	44,691	367,434	-	238,359	4,861,923	3,104	5,713,849
East North Central	1,071,363	52,233	873,321	474	303,281	6,958,237	72,702	9,331,611
Minnesota	81,031	4,890	32,037	927	321,376	5,996,848	30,607	6,467,716
Iowa	50,938	1,236	18,198	4,173	111,562	2,101,913	-	2,288,020
Missouri	114,700	-	67,998	2,412	26,917	268,356	-	480,383
North Dakota	3,088	-	-	-	46,926	141,614	-	191,628
South Dakota	15,644	-	-	-	28,116	449,867	-	493,627
Nebraska	32,656	237	438	10,563	36,993	139,425	-	220,312
Kansas	68,769	1,773	154,776	-	14,685	370,095	-	610,098
West North Central	366,826	8,136	273,447	18,075	586,575	9,468,118	30,607	10,751,784
District of Columbia	18,631	-	-	-	-	-	-	18,631
Delaware	188	-	-	-	-	-	-	188
Maryland	45,975	12,846	84,387	1,011	825	230,857	-	375,901
Virginia	22,731	5,247	52,542	-	-	88,528	-	169,048
West Virginia	22,306	-	-	-	-	-	-	22,306
North Carolina	28,688	-	2,679	-	-	-	-	31,367
South Carolina	981	-	-	-	-	-	-	981
Georgia	11,319	3,567	333	-	-	7,744	-	22,963
Florida	20,869	-	-	-	-	-	-	20,869
South Atlantic	171,688	21,660	139,941	1,011	825	327,129	-	662,254
Kentucky	38,856	4,674	26,958	-	8,668	85,844	-	165,000
Tennessee	71,038	-	32,400	-	-	59,433	-	162,871
Alabama	12,512	-	-	-	-	-	-	12,512
Mississippi	2,938	-	21,669	-	-	90,651	-	115,258
Arkansas	10,500	135	7,779	-	-	12,100	-	30,514
Louisiana	15,531	24	2,796	-	1,518	45,870	-	65,739
Oklahoma	51,456	606	77,547	-	6,732	81,213	-	217,554
Texas	71,900	972	122,829	-	1,496	78,100	-	275,297
South Central	274,731	6,411	291,978	-	18,414	453,211	-	1,044,745
Montana	12,688	-	-	-	-	-	-	12,688
Idaho	15,238	-	5,148	-	8,591	691,724	-	720,701
Wyoming	5,675	-	-	-	-	21,626	-	27,301
Colorado	48,581	2,112	7,425	-	6,259	-	-	64,377
New Mexico	11,588	-	3,228	-	-	-	-	14,816
Arizona	29,806	-	6,765	-	-	-	-	36,571
Utah	29,125	-	15	-	3,619	117,128	-	149,887
Nevada	2,256	-	5,259	-	-	2,398	-	9,913
Mountain	154,957	2,112	27,840	-	18,469	832,876	-	1,036,254
Washington	104,400	5,343	39,027	84	-	299,139	-	448,043
Oregon	50,762	-	14,697	-	11,561	102,234	-	179,254
California	538,294	6,012	299,661	-	11,671	904,948	30	1,760,616
Pacific	693,456	11,355	353,385	84	23,232	1,306,371	30	2,387,913
UNITED STATES	3,614,157	146,505	2,411,067	19,692	979,396	22,451,264	107,819	29,729,900

1/ Skim-milk equivalents of the skimmed milk and buttermilk products as reported by dairy manufacturing plants. Totals shown exclude skim milk and buttermilk sold in fluid form or used for some minor products. Products included and conversion factors for converting to a skim-milk equivalent basis are: American full-skim cheese, 16.0; cottage cheese, 6.25; dried or powdered buttermilk and nonfat dry milk, 11; dry casein, 35.7; and 3 each for case and bulk sweetened condensed skim milk, bulk unsweetened condensed skim milk (plain condensed), concentrated skim milk (for animal feed), and condensed or evaporated buttermilk. Because of the fact that some of the skimmed milk and buttermilk products are not standardized, and because of the variations in percentage of solids not fat in skim milk and buttermilk, these conversion factors are only approximate. 2/ Includes dry skim milk for animal feed. 3/ Includes full-skim American Cheddar cheese, concentrated skim milk for animal feed, and dry casein.

The data for manufactured dairy products in 1961, given in this report, were compiled from reports made by dairy manufacturers direct to the United States Department of Agriculture or through the cooperating State agencies shown below:

State	Agency	Collaborator or Cooperating State Official
Alabama	State Department of Agriculture and Industries	R. C. "Red" Bamberg, Commissioner
California	State Department of Agriculture	Chas. Paul, Director
Colorado	Colorado Department of Agriculture Division of Animal Industry	Harry B. Staver, Chief, Dairy Section
Florida	Florida Department of Agriculture Division of Dairy Industry	Alex G. Shaw, Chief
Georgia	State Department of Agriculture Georgia Milk Commission	Clifton A. Ward, Chairman
Idaho	State Department of Agriculture Bureau of Dairying	Duard Campbell, Director
Illinois	State Department of Agriculture	Ralph S. Bradley, Director
Indiana	Purdue University Agricultural Experiment Station Creamery License Division	H. F. Ford, In Charge
Iowa	State Department of Agriculture Dairy and Food Division	E. L. Hart, Chief
Kansas	State Board of Agriculture Dairy Division	Brace Rowley, Dairy Commissioner
Kentucky	State Department of Agriculture, Labor and Statistics	Emerson Beauchamp, Commissioner
Michigan	State Department of Agriculture Dairy Division	F. M. Skiver, Chief
Minnesota	Department of Agriculture	Duane A. Wilson, Commissioner
Mississippi	State Department of Agriculture and Commerce	Si Corley, Commissioner
Montana	State Department of Agriculture	Lowell C. Purdy, Commissioner
Nebraska	State Department of Agriculture and Inspection .... Division of Dairies, Foods, Weights and Measures	Pearle F. Finigan, Director Gould B. Flagg, Chief
New York	State Department of Agriculture and Markets Division of Milk Control	Herbert R. Kling, Director
North Carolina	State Department of Agriculture ..... North Carolina Milk Commission	L. Y. Ballentine, Commissioner J. V. Whitaker, Executive Secretary
North Dakota	State Department of Agriculture and Labor Dairy Division	William J. Murphy, Dairy Commissioner
Ohio	State Department of Agriculture ..... Division of Foods and Dairies	Robert H. Terhune, Director Raymond K. Davis, Chief
Oklahoma	State Board of Agriculture Dairy Division	Clyde D. Lacey, Director
Oregon	State Department of Agriculture	James F. Short, Director
South Dakota	State Department of Agriculture	Ernest Johnson, Secretary
Tennessee	State Department of Agriculture	W. F. Moss, Commissioner of Agriculture
Utah	State Board of Agriculture Dairy and Foods Division	Guy P. Stevens, Supervising Inspector
Virginia	State Department of Agriculture Division of Animal and Dairy Industry	Dr. W. L. Bendix, State Veterinarian
Washington	State Department of Agriculture	J. D. Dwyer, Director
West Virginia	State Department of Agriculture	J. T. Johnson, Commissioner
Wisconsin	State Department of Agriculture	D. N. McDowell, Director
Wyoming	State Department of Agriculture	W. T. "Bill" Kirk, Commissioner

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