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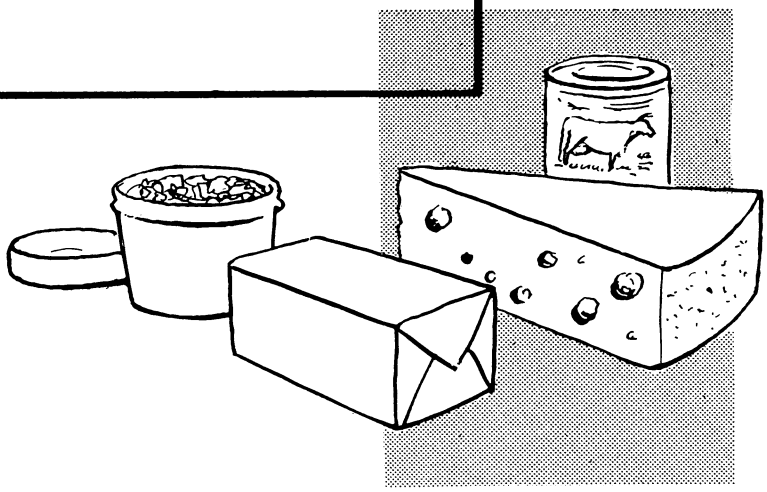
1954

PRODUCTION OF MANUFACTURED DAIRY PRODUCTS



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List of Tables

Table Number		Page No.
1.	Net whole milk equivalents used in manufactured dairy products: Total per capita, and percentage distribution by major products, United States, 1939-54	2
2.	Frozen dairy products: Production for specified items and total, United States, 1947-54	5
3.	Production of "Mellorine-Type" frozen desserts, 1954	7
4.	Skim-milk equivalents: Calculated quantities used in certain skim-milk and buttermilk products, United States, 1939-54	9
5.	Revisions, manufactured dairy products: Production, by specified items, United States, by months, 1953	10
6.	Manufactured dairy products: Production, by specified items, United States, 1945-54	11
7.	Manufactured dairy products: Production, by specified items, by geographic divisions, United States, 1953 and 1954	12-13
8.	Manufactured dairy products: Production, by specified items, United States, by months, 1954	14
9.	Manufactured dairy products: Production, by specified items, by States, 1953 and 1954	15-22
10.	Butter, creamery: Production, by States, by months, 1954	23
11.	Cheese, Cheddar, made from whole milk: Production, by States, by months, 1954	24
12.	Cheese, total American, made from whole milk: Production, by States, by months, 1954	25
13.	Cheese, total, excluding full-skim American and cottage: Production, by States, by months, 1954	26
14.	Cheese, cottage, curd: Production, by States, by months, 1954	27
15.	Cheese, cottage, creamed: Production, by States, by months, 1954	28
16.	Condensed milk, whole, unsweetened, bulk goods: Production, by States, by months, 1954	29
17.	Condensed milk, skim, unsweetened, bulk goods: Production, by States, by months, 1954	29
18.	Evaporated milk, whole, unsweetened, case goods: Production, by States, by months, 1954	30
19.	Dried milk, whole: Production, by States, by months, 1954	30
20.	Nonfat dry milk solids, spray process, for human consumption: Production, by States, by months, 1954	31
21.	Nonfat dry milk solids, roller process, for human consumption: Production, by States, by months, 1954	31
22.	Ice cream, wholesale: Production, by States, by months, 1954	32
23.	Ice cream, retail: Production, by States, by months, 1954	33
24.	Ice cream, total: Production, by States, by months, 1954	34
25.	Ice milk: Production, by States, by months, 1954	35
26.	Butter, creamery: Production, by States, 1917-39	36-37
27.	Cheese, total American, made from whole milk, by States, 1918-39	38-39
28.	All cheese, other than whole milk and full-skim American: Production, by States, 1918-39	40-41
29.	Ice cream, total: Production, by States, 1916-39	42-43
30.	Whole milk used in manufactured dairy products: Calculated quantities used in specified products, on a whole-milk equivalent basis, by States, 1954	44
31.	Skim-milk equivalents: Calculated quantities used in specified skim-milk and buttermilk products, by States, 1954	45

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PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, 1954 1/

Whole-Milk Equivalents

Whole milk used in manufactured dairy products for 1954, at 58,087,124,000 pounds (net), was the third highest in the quarter century for which records are available. The only years in which whole-milk equivalents were higher were 1941 and 1942, when the production of creamery butter was at very high levels. The whole-milk equivalent of manufactured dairy products for 1954 was 2 percent higher than in 1953, and 8 percent more than the 1943-52 average.

Record high production for 1954 was shown for total cheese, and by specific varieties of American, Swiss, Munster, and cream. Cottage cheese, likewise, reached a new high. High records were also established by plain condensed whole and skim milk, nonfat dry milk solids, dry whey, and ice milk. Production of several products was also the lowest of record, such as dry casein, Limburger cheese, and canned condensed whole milk. Mellorine-type frozen desserts rose 30 percent from 1953 to 1954.

Gains in whole-milk equivalents from 1953 to 1954 shown by creamery butter and cheese were partially offset by declines in the milk equivalents of evaporated, condensed, and dry milk. Ice cream and other frozen dairy products registered only a fractional gain. The whole-milk equivalent of creamery butter, at 28.7 billion pounds, was a gain of 3 percent from the preceding year, and was the highest since 1944. Milk equivalent of all cheese, except cottage, totaled 13.7 billion pounds, a gain of 3 percent from 1953 and an all-time high record. Evaporated and condensed milk products were estimated to have used 6.1 billion pounds of milk, lowest since 1940 and 1 percent less than in 1953. Combining dry whole milk and all other miscellaneous whole-milk products, a total of 1.8 billion pounds of milk were used, a gain of 1 percent from the preceding year. Milk equivalents of total frozen products were 7.8 billion pounds (net), highest since 1946, but only fractionally larger than in 1953.

Considering milk equivalent of all manufactured dairy products by regions, the East North Central ranks first with 37 percent of the Nation's total and the West North Central second with 32 percent. Gains from 1953

1/ Prepared by W. D. Bormuth and R. J. Wagner, Agricultural Statisticians, and Jessie M. Cooley, Statistical Assistant, under the general direction of B. H. Bennett, Chief, Dairy Statistics Branch.

to 1954 by regions were as follows: New England and Middle Atlantic, 4 percent; East and West North Central, 1 percent; Mountain, 8 percent; and Pacific, 9 percent. Milk equivalents were 2 percent lower in the South Central and only fractionally higher in the South Atlantic.

Creamery Butter

Creamery butter production for 1954 totaled 1,448,688,000 pounds. This is the highest for any year since 1943, and represents a gain of 3 percent from 1953. Output was higher in all regions of the United States, except the South Atlantic and the South Central. The West North Central showed only fractional increases. Gains from 1953 to 1954 were as follows: New England, 21 percent; Middle Atlantic, 8 percent; East North Central, 3 percent; Mountain, 13 percent, and Pacific region, 26 percent. The South Atlantic region showed a decline of 6 percent, and the South Central 5 percent. Minnesota continued to rank first among the States in output. Wisconsin was second, and continued to exceed Iowa for the second successive year. Following Iowa came Nebraska, Ohio, and Missouri.

Table 1.- Net whole milk equivalents used in manufactured dairy products: Total per capita, and percentage distribution by major products, United States, 1939-54

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
	1,000 pounds	Pounds	Percent	Percent	Percent	Percent	Percent
1939 1/	51,802,281	395.8	68.9	13.7	9.8	7.0	0.6
1940 1/	54,716,280	414.1	67.2	14.4	10.8	7.0	0.6
1941 1/	59,864,542	448.8	62.5	16.0	12.9	7.8	0.8
1942 1/	60,631,311	449.6	58.0	18.3	13.6	9.0	1.1
1943 1/	56,863,677	415.9	59.4	17.4	12.8	8.0	2.4
1944 1/	54,945,118	397.0	54.4	18.5	14.8	8.6	3.7
1945 1/	55,145,388	394.1	49.5	20.2	16.2	9.4	4.7
1946 1/	51,767,902	366.1	45.1	21.3	14.0	15.8	3.8
1947...	55,561,996	385.5	47.9	21.2	14.2	13.5	3.2
1948...	51,860,615	353.7	46.7	21.1	15.7	12.9	3.6
1949...	55,324,367	370.8	51.2	21.6	12.2	12.3	2.7
1950...	55,169,944	363.7	50.4	21.5	12.6	12.5	3.0
1951...	51,603,178	334.3	46.7	22.4	13.6	13.6	3.7
1952...	51,305,432	326.7	45.9	22.7	13.4	14.7	3.3
1953 2/	57,016,696	357.2	49.0	23.4	10.9	13.6	3.1
1954 3/	58,087,124	357.7	49.4	23.6	10.6	13.4	3.0

1/ Revised.
2/ Unrevised.
3/ Preliminary.

Total Cheese Production

Total cheese production for 1954 reached a new high record for the second successive year. The 1954 production totaled 1,383,104,000 pounds, a gain of 3 percent from the preceding year. By regions, gains were shown from 1953 to 1954 in all except the South Central, where a decline of 1 percent was registered. In the remaining regions, the gains were as follows: New England, 19 percent; Middle Atlantic, 5 percent; East North Central, 2 percent; West North Central, 4 percent; South Atlantic, 20 percent; Mountain, 7 percent; and Pacific, 5 percent. Wisconsin leads in the production of total cheese, followed by New York, and Illinois in that order. While New York ranks only sixth in total American cheese, that State ranks second in the production of cheese other than American. It produces a large quantity of both Italian and cream cheese. Illinois ranks third in the production of other cheese, made up chiefly of Swiss cheese.

American Cheese

American cheese production for 1954 totaled 1,042,345,000 pounds, highest of record, and a gain of 2 percent from 1953. Gains from 1953 to 1954 occurred in all regions of the country, except the South Central where a decline of 5 percent was reported. Gains from the preceding year were as follows: New England, 31 percent; Middle Atlantic, 5 percent; East North Central, 2 percent; West North Central, 4 percent; South Atlantic, 20 percent; Mountain, 7 percent; and the Pacific, 6 percent. In State ranking, Missouri is second to Wisconsin, followed by Minnesota and Illinois in that order. By States, gains from 1953 were recorded in Wisconsin, Missouri, New York, Idaho, and Oregon. These gains more than offset declines in the remaininder of the important cheese-producing States.

Cheese Other Than American

Swiss cheese production for 1954 equalled 113,525,000 pounds, highest of record and 9 percent above the 1953 output. While Wisconsin continues to lead all other States in the production of Swiss cheese, its lead is now much less impressive than it was 10 years ago. In 1945, Wisconsin's production was 66 percent, or roughly two-thirds, of the Nation's total and that of Illinois only 12 percent. In 1954, Wisconsin produced only one-third of the Nation's total, while Illinois made 28 percent. Other States in order of importance in the 1954 production of Swiss cheese were: Minnesota, Ohio, and Idaho. In 1945, Minnesota produced no Swiss cheese.

Output of Munster cheese for 1954 totaled 15,603,000 pounds, highest production of record and 25 percent higher than that of the preceding year. Approximately three-fourths of the production of

this cheese is in Wisconsin. Output of Brick cheese was 25,274,000 pounds, highest since 1940, and 4 percent above the preceding year. At 5,018,000 pounds, Limburger cheese production for 1954 was the lowest of record, and down 13 percent from a year earlier. The 71,274,000 pounds of all Italian varieties produced in 1954 was the second highest of record and 4 percent above the preceding year. Record high production was registered in 1946 when 75,388,000 pounds were produced. Cream cheese production for 1954 was the highest of record and, at 73,412,000 pounds, was 3 percent higher than that of 1953. Production of Neufchatel totaled only 5,826,000 pounds, a decline of 15 percent from the preceding year. Blue Mold cheese production, at 9,519,000 pounds, was fractionally lower than a year earlier, and at that level was the lowest since 1951. Unclassified varieties of cheese totaled 18,930,000 pounds, a decline of 3 percent from a year earlier, and the lowest since 1941.

Cottage cheese curd production, at 436,879,000 pounds for 1954, was the highest of record and 7 percent above a year earlier. Creamed cottage cheese production, at 535,036,000 pounds, was also a record and 7 percent higher than a year earlier.

Evaporated and Condensed Milk

Evaporated whole milk production for 1954 totaled 2,534,215,000 pounds, the lowest since 1940 and 1 percent less than in the preceding year. By regions, changes in production from 1953 to 1954 were mixed. Regional gains were as follows: Middle Atlantic, 30 percent; West North Central, 10 percent; South Atlantic, 2 percent; and South Central, 1 percent. Regions showing declines were East North Central and Mountain, 4 percent and Pacific, 3 percent. Wisconsin, with 17 percent of the Nation's total, ranked first among the States producing evaporated milk. Wisconsin's proportion of the Nation's total has dwindled during the past decade. Ten years ago, it made almost one-third of the total. Other leading States ranked as follows in 1954: California second, followed by Ohio, Kentucky, and Tennessee.

Canned condensed whole milk output for 1954 was 25,229,000 pounds, the lowest for any year of record, and 39 percent less than that of the preceding year. The production of sweetened condensed whole milk, bulk goods, totaled 49,132,000 pounds for 1954, a decline of 1 percent from 1953. Plain condensed whole milk, bulk goods, totaled 235,534,000 pounds. This is the highest production on record and a gain of 2 percent from 1953.

Dry Whole Milk

Dry whole milk production for 1954 was the lowest since 1942. At 93,874,000 pounds, output was 10 percent less than that of the preceding year. Wisconsin produced 30,693,000 pounds of the 1954 National production, New York 22,212,000 pounds, Ohio 15,148,000 pounds, Illinois 7,338,000 pounds, and California 6,219,000 pounds.

Ice Cream Production

Ice cream production in 1954 totaled 596,999,000 gallons, a decline of 1 percent from that of 1953. Changes in production from 1953 to 1954 varied widely by regions. Declines recorded were 2 percent in both the New England and the Middle Atlantic States, 1 percent in the East North Central and South Atlantic States, and 5 percent in the Pacific States. Output was practically unchanged in both the South Central and Mountain States, but the West North Central group showed a gain of 2 percent. Pennsylvania, with 69,537,000 gallons, continued to rank first among the States in ice cream production, followed by New York, California, Ohio, and Illinois, in that order. Production of ice cream for wholesale during 1954 totaled 542,373,000 gallons, a decline of 1 percent from 1953. Output for retail was 54,626,000 gallons, also a decline of 1 percent from a year earlier. Production for wholesale represents 91 percent of the total output and that for retail, 9 percent.

The number of roadside stands making frozen dairy products continued to gain in 1954, resulting in an increase in the total number of establishments reporting the production of ice cream.

In 1954, 19,656 establishments reported freezing ice cream, compared with 15,834 in 1953. The comparable production was 596,999,000 gallons in 1954 and 605,051,000 gallons in 1953.

Table 2.- Frozen dairy products: Production of specified items and total, United States, 1948-54

Item	1948	1949	1950	1951	1952	1953	1954
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Total ice cream.....	575,484	558,054	554,351	568,849	592,705	605,051	596,999
Sherbet.....	12,211	13,616	17,018	20,469	25,637	31,079	34,048
Ice milk....	19,362	29,526	36,870	45,804	53,702	64,710	78,742
Other frozen dairy prod.	1/4,986	6,754	8,230	8,945	9,172	9,240	5,780
Mellorine...	-	-	-	-	11,188	24,207	31,419
Total.....	613,043	607,950	616,469	644,067	692,404	734,287	746,988

1/ For purposes of comparison, frosted malted and frozen custard were combined.

Ice Milk

For the tenth consecutive year, ice milk production has shown a gain. At 78,742,000 gallons in 1954, production was up nearly tenfold from a decade earlier, and up 22 percent from the preceding year. Gains in production from 1953 to 1954, by regions, were New England, 25 percent; East North Central, 49 percent; West North Central, 20

percent; South Atlantic, 22 percent; South Central, 12 percent; Mountain, 16 percent; and Pacific, 19 percent. No ice milk is made in the Middle Atlantic States as its production is not permitted by law. Indiana was the only State showing ice milk for the first time in 1954. Laws in Indiana do not permit ice milk to be made for sale as such, but the production of a low-fat product is authorized for use in the preparation of milkshakes.

Mellorine-Type Frozen Desserts

Mellorine and Mellorine-type frozen desserts totaled 31,419,000 gallons for 1954. This is 30 percent greater than the revised production of 24,207,000 gallons for the preceding year. Mellorine is made with fats other than butterfat. The legal and most commonly known name for this product in most States is "Mellorine" and that designation will be used throughout this report. There were 10 States in which Mellorine was made in 1954 compared with 9 in 1953. The additional State was Nevada. The production of Mellorine began in Alabama, Arkansas, California, Montana, and Oregon in 1953, and in 1952 or earlier, in the other 4 States, Texas, Missouri, Oklahoma, and Illinois. It is anticipated that Mellorine will be made in at least one additional State in 1955.

Texas is not only the leading State in Mellorine production, but also showed the largest gain in actual gallons produced from 1953 to 1954. The increase was 5,128,000 gallons, or 41 percent. All States reporting Mellorine showed gains from 1953 to 1954 except Illinois, where a 12-percent decline occurred. Gains by States were as follows: Alabama, 157 percent; California, 100 percent; Arkansas, 96 percent; Montana, 57 percent; Oklahoma, 32 percent; Missouri, 21 percent; and Oregon, 14 percent. In analyzing the changes by States in 1954 from 1953, it should be taken into consideration that Arkansas, Alabama, California, and Montana plants produced during the entire year of 1954, but less than a full year in 1953. This is responsible for a considerable part of the increase in 1954 production compared with the preceding year.

A total of 1,223 establishments manufactured Mellorine during 1954, compared with 830 (revised) in 1953. Texas with 814 is the leading State in the number of establishments manufacturing Mellorine. This is two-thirds of the total for the Nation. However, most of the Texas establishments are small manufacturers who sell only at retail, such as drive-ins, roadside stands, and drugstores. Most of the States in which the production of Mellorine is legal permit the sale of Mellorine only in packaged containers. This type of plant usually has a much larger output than when the producer sells only at retail. Texas has both types of operators, but there are many more that produce for retail sale than manufacture for wholesale. Oklahoma's production includes not only Mellorine, but also Mello-Freeze or Mello-Treat, a product containing between 3.25 and 6.0 percent fat.

Table 3.- Production of "Mellorine-type" frozen desserts, 1954

Month	Ala.	Ark.	Calif.	Ill.	Mo.	Mont.	Okla.	Oreg.	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.
January...	4	11	104	286	187	6	123	18	766	1,505
February..	7	15	166	346	207	8	175	17	1,057	1,998
March.....	9	22	189	374	235	9	198	23	1,283	2,342
April.....	7	29	197	408	273	10	255	24	1,520	2,724
May.....	8	25	177	331	260	12	266	38	1,588	2,707
June.....	29	38	240	553	350	12	355	30	2,020	3,628
July.....	19	42	256	568	374	18	413	31	2,187	3,909
August....	17	38	233	479	310	13	351	33	2,152	3,527
September.	16	38	213	427	268	11	295	21	1,849	3,139
October...	12	27	178	340	204	10	218	23	1,431	2,444
November..	7	20	156	290	177	8	149	22	932	1,762
December..	9	19	151	279	172	7	129	18	850	1,634
Total...	144	325	2,260	4,681	3,017	124	2,927	298	17,535	31,419
No. plants	18	16	7	113	107	12	117	18	814	1,223

1/ Includes Nevada for which less than 3 plants reported.

Total Frozen Desserts Other Than Ice Cream and Water Ices

Combined production of frozen desserts using either milk fat, vegetable fats, milk solids not fat, etc., other than ice cream has risen sharply each succeeding year since 1947. The production of these products tripled in volume from 1949 to 1954. The production of ice cream has gained only 7 percent in the same period. Sherbet production rose 150 percent and ice milk 167 percent in this period, while other dairy products declined 14 percent. The total of all frozen products excluding water ices has risen 23 percent during this 5-year period.

Other Frozen Dairy Products

The sharp reduction from 1953 to 1954 shown in both volume of production and numbers of plants for "other frozen dairy products" is due to reclassification of some products rather than to actual declines. The production of 5,780,000 gallons of this class of product in 1954 is a decrease of 37 percent from the 9,240,000 gallons shown in 1953. Numbers of plants reporting decreased from 1,786 to 433. In 1953 and previous years, frozen custard, frosted malted and some products frozen without agitation have been included in this category for a number of States. It was later determined that most frozen custard met ice cream standards and should be classified as ice cream. Some of the frosted malted milk was so low in butterfat in States without standards for this product that is was decided it should properly be classified as ice milk.

Frozen Dairy Products Mix

The combined production of the mix used in ice cream and mix used in other frozen dairy products totaled 389,940,000 gallons for 1954, a gain of 2 percent from the preceding year. Mix manufactured primarily for use in ice cream was 324,126,000 gallons, practically unchanged from the preceding year. Output of mix for all low-fat items totaled 65,814,000 gallons, a gain of 14 percent from the preceding year.

Skim Milk Products

The equivalent of 21,810,000 pounds of skim milk was used in manufacturing skim milk products during 1954. This is the largest quantity of skim milk used in the past quarter century. For the past 4 years, there has been an increase in the quantity used each succeeding year. The quantity for 1954 represents a gain of 2,265,701,000 pounds, or 12 percent from the preceding year. More than 90 percent of this increase was made up of nonfat dry milk solids. Skim milk used in products showing gains from 1953 to 1954 were cottage cheese, with an increase of 7 percent; plain condensed skim milk, bulk goods, 11 percent; and nonfat dry milk solids, 15 percent. Skim milk used in all of the remaining products declined, with the decreases ranging from 1 percent for dry buttermilk to 42 percent for American full-skim cheese. Wisconsin continues to hold an impressive lead in the production of skim milk products and the skim milk used in that State in the manufacturing of these products represents 25 percent of the Nation's total. Minnesota was second with 15 percent, and New York was third, with 11 percent.

Nonfat Dry Milk Solids

For the second consecutive year, total nonfat dry milk solids reached a new high record in production. At 1,402,374,000 pounds, production was up 16 percent from 1953. Changes in production from 1953 to 1954, by regions, were mixed. Gains were as follows: Middle Atlantic, 14 percent; East North Central, 22 percent; West North Central 7 percent; Mountain, 23 percent; and Pacific, 29 percent. Declines by regions were New England, 11 percent; South Atlantic, 5 percent; and South Central, 2 percent. Ranking first in output, Wisconsin had 437,762,000 pounds, or 31 percent of the U. S. total. Other States in order of importance were Minnesota, New York, California, and Michigan.

Many new plants started producing nonfat dry milk solids in 1954, mostly by the spray process. In fact, the gain in the number of plants using this method was 14 percent from 1953 to 1954. During the past decade there has been a rapid change taking place in the proportion of nonfat dry milk solids manufactured by the spray and roller process. In 1945, 46 percent of this product was manufactured by the spray process; by 1954, the share had risen to 83 percent.

Table 4.- Skim-milk equivalents: Calculated quantities used in certain skim-milk and buttermilk products, United States, 1939-54

Year	Full-skim American cheese	Cottage cheese curd	Condensed and evaporated skim milk	Concentrated skim milk (for animal feed)	Nonfat dry milk solids	Dry casein	Condensed and dried buttermilk	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1939	4	1,042	1,132	35	4,492	1,459	997	9,151
1940	4	1,089	1,244	45	5,300	1,664	1,083	10,429
1941	7	1,172	1,519	58	5,242	1,690	1,217	10,905
1942	16	1,230	1,651	40	6,892	1,509	1,276	12,614
1943	37	1,337	1,901	45	5,873	656	1,173	11,022
1944	42	1,402	2,216	62	6,593	545	1,096	11,956
1945	35	1,780	2,922	37	7,251	440	1,026	13,501
1946	38	1,574	3,971	70	7,339	654	1,105	14,751
1947	34	1,346	2,887	56	7,701	1,279	1,067	14,370
1948	28	1,598	2,257	68	7,641	513	973	13,078
1949	20	1,774	2,324	42	10,518	655	1,078	16,411
1950	28	2,018	2,210	36	9,888	662	1,087	15,929
1951	21	2,227	2,117	27	7,884	772	1,024	14,072
1952	14	2,343	2,074	23	9,774	267	981	15,476
1953 1/	12	2,542	2,183	21	13,563	197	1,026	19,544
1954 2/	7	2,712	2,267	14	15,635	185	990	21,810

1/ Unrevised.
2/ Preliminary.

Miscellaneous Dry Products

Dry buttermilk production in 1954 totaled 56,348,000 pounds, the second highest since 1944, and 2 percent less than the recent high of 1953. As might be expected, the leading butter State is also the leader in the production of dry buttermilk. Minnesota's production of 18,207,000 pounds is nearly one-third of the Nation's total. Wisconsin follows with 17 percent, Iowa with 13 percent, North Dakota 6 percent, and Michigan 5 percent.

Dry casein production for 1954, at 5,175,000 pounds, is the lowest in 37 years of record. Output was 6 percent less than a year earlier. New York produced 2,835,000 pounds, California 1,711,000 pounds, and Vermont 397,000 pounds. At 175,327,000 pounds, dry whey production for 1954 was the highest of record, but it was only fractionally higher than the 1953 output. Condensed whey production, compiled in 1954 for the first time, totaled 175,204,000 pounds. These data exclude condensed whey from which part of the milk sugar has been removed. As might be expected, Wisconsin, where about half of the domestic cheese is produced, is the leading State in condensed whey production. Malted milk powder production for 1954 totaled 31,415,000 pounds, ninth highest on record, and down 3 percent from 1953. Dry ice cream mix in 1954 totaled 10,653,000 pounds, a gain of 19 percent from 1953. This includes some concentrated mix converted to a dry mix equivalent as well as some dry ice milk mix.

Crude milk sugar production for 1954 totaled 32,516,000 pounds, a gain of 25 percent from the preceding year.

Condensed Skim Milk

Output of sweetened condensed skim milk, bulk goods, for 1954, at 101,401,000 pounds, was the lowest since 1924, and was down 24 percent from the preceding year. Plain condensed skim milk, bulk goods, at 637,491,000 pounds, was the highest on record and was up 10 percent from the preceding year.

Production of evaporated skim milk, case goods, for 1954, totaled 76,881,000 pounds, second highest of record and only 3 percent less than last year's record.

Table 5 - Revisions, manufactured dairy products: Production, by specified items, United States, by months, 1953 1/

Product	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Butter:														
Creamery 2/	2,568	103,968	101,920	121,446	133,489	155,971	153,935	135,631	118,770	94,967	91,608	91,354	109,050	1,412,109
Cheese:														
American														
Cheddar 3/	1,411	55,308	57,908	77,946	93,553	120,870	120,841	101,367	89,243	70,473	60,617	55,837	63,044	967,007
Other varieties, whole milk 4/	157	3,078	3,679	4,201	4,288	6,110	6,402	5,497	4,845	4,365	4,287	3,670	3,627	54,049
Total, whole milk 5/	1,459	58,386	61,587	82,147	97,841	126,980	127,243	106,864	94,088	74,838	64,904	59,507	66,671	1,021,056
Total cheese (excluding full-sk. Am. & cottage)6/	1,883	86,940	86,313	110,050	124,692	156,460	156,001	132,385	119,281	100,069	91,221	85,721	95,267	1,344,400
Cottage cheese														
Curd 7/	1,778	30,397	32,18[illegible]	37,720	35,837	38,162	37,687	35,800	32,734	31,671	32,062	30,062	29,506	403,822
Creamed 8/	1,700	37,702	39,598	46,670	43,698	44,893	45,878	45,447	41,319	40,069	41,004	37,768	36,744	500,790
Condensed milk:														
Sweetened														
Bulk goods														
Skimmed 9/	176	9,680	9,105	11,705	15,658	20,443	17,081	11,416	10,094	8,126	8,097	5,767	7,093	134,265
Unskimmed 10/	84	3,528	2,958	4,181	4,951	7,177	4,581	3,851	4,189	3,775	4,093	3,375	2,798	49,457
Unsweetened														
Bulk goods														
Skimmed 11/	358	34,322	37,164	46,869	49,933	62,974	64,452	61,693	57,167	48,181	41,005	36,251	41,077	581,088
Unskimmed 12/	142	15,080	14,882	18,313	18,704	21,866	23,632	27,170	24,581	20,035	17,094	14,632	15,160	231,149
Evaporated milk, unsweetened:														
Case goods														
Unskimmed 13/	108	169,708	159,084	202,404	243,376	321,125	324,737	262,797	227,369	170,473	162,301	152,541	157,424	2,553,339
Condensed or evaporated buttermilk 14/	83	11,017	9,816	10,672	11,824	13,166	13,552	11,260	10,621	9,741	9,420	9,419	12,149	132,657
Dry milk:														
Whole milk 15/	57	7,320	6,842	8,679	8,172	9,343	9,829	10,695	10,298	8,919	9,029	7,968	7,258	104,352
Nonfat dry milk solids														
Roller process 16/	249	13,945	14,675	23,304	30,620	39,520	36,744	22,265	17,356	10,264	9,259	8,715	15,529	242,196
Total nonfat for human food 17/	448	80,499	85,025	111,879	128,359	151,946	145,024	114,147	96,135	67,959	66,657	69,130	97,014	1,213,774
Buttermilk 18/	228	4,925	4,520	5,754	5,946	6,587	6,154	5,241	4,066	3,352	3,290	3,381	4,208	57,424
Dry ice cream mix 19/	10	659	669	515	948	1,091	719	1,514	611	644	732	550	734	9,386
		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	1,000 gallons	1,000 gallons	1,000 gallons
Frozen products:														
Ice cream														
Wholesale 20/	3,132	33,815	34,724	41,620	43,839	51,434	60,948	65,805	57,007	51,445	41,640	33,770	33,781	549,828
Retail 21/	15,834	3,154	3,182	3,866	4,293	5,286	6,299	6,925	6,133	5,243	4,190	3,333	3,319	55,223
Total 22/	18,966	36,969	37,906	45,486	48,132	56,720	67,247	72,730	63,140	56,688	45,830	37,103	37,100	605,051
Sherbet, milk 23/	6,228	1,227	1,366	1,887	2,285	3,328	4,662	4,942	3,697	2,941	2,052	1,396	1,296	31,079
Ice milk 24/	9,421	3,054	3,319	4,322	4,908	6,192	7,672	8,288	7,569	6,867	5,419	3,875	3,225	64,710
Other frozen dairy products 25/	1,786	439	466	588	744	912	1,170	1,223	1,110	962	751	486	389	9,240
"Mellorine type" desserts 26/	830	1,064	1,162	1,607	1,767	2,201	3,139	2,978	2,731	2,582	2,229	1,464	1,283	24,207
Water ices 27/	2,672	531	739	1,575	2,749	3,966	4,996	4,736	3,208	2,182	1,080	599	490	26,851
Ice cream mix 28/	2,949	19,189	19,839	24,191	25,633	30,901	36,741	39,350	34,206	30,328	24,065	19,488	19,552	323,483
All other mix 29/	1,589	2,255	2,563	3,656	4,539	6,108	7,867	8,287	7,003	5,925	4,234	2,792	2,459	57,688

1/ For revised annual totals by States, see table 9 . State totals may not be shown if there were less than 3 plants reporting. Revisions shown in following States:
2/ Minnesota, Pennsylvania, Texas. 3/ Tennessee, Utah. 4/ Utah. 5/ Tennessee, Utah. 6/ Tennessee, Utah. 7/ Illinois, Indiana, Ohio, Pennsylvania. 8/ Illinois, Indiana, Minnesota, Ohio, Pennsylvania, Virginia. 9/ Kentucky. 10/ Kentucky, Oklahoma. 11/ Mississippi, Oklahoma, Pennsylvania, Tennessee. 12/ Mississippi, Oregon, Tennessee. 13/ Washington. 14/ Maryland. 15/ Minnesota (Number of plants only). 16/ Oregon. 17/ Oregon. 18/ Iowa, Minnesota, North Dakota. 19/ Oregon. 20/ Arkansas, Iowa, Michigan, Mississippi, Nebraska, Ohio, Oregon, Pennsylvania, Texas.
21/ Arkansas, Iowa, Kentucky, Louisiana, Maine, Maryland, Missouri, New Mexico, Pennsylvania, Rhode Island, Texas. 22/ Arkansas, Iowa, Kentucky, Louisiana, Maine, Maryland, Michigan, Mississippi, Missouri, Nebraska, New Mexico, Ohio, Oregon, Pennsylvania, Rhode Island, Texas. 23/ Arkansas, Iowa, Kentucky, Louisiana, Maine, Maryland, Michigan, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, Rhode Island, Texas. 24/ Alabama, (Number of plants only), Arkansas, Georgia, Iowa, Kentucky, Louisiana, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, Oregon, Rhode Island, Texas, Wisconsin. 25/ Arkansas, Iowa, Louisiana, Maine, Maryland, New Jersey, New Mexico, Oklahoma, Rhode Island, Texas. 26/ Arkansas, Missouri, Texas. 27/ Arkansas, Iowa (Number of plants only), Louisiana, Maine (Number of plants only), Maryland, Missouri, Oregon, Rhode Island, Texas, Utah. 28/ Arkansas, Kansas, Michigan, Mississippi, Nebraska, North Dakota, Ohio, Oregon, Pennsylvania, Texas. 29/ Arkansas, Georgia, Iowa, Kansas, Mississippi, Nebraska, Texas, Wisconsin.

Table 6 - Manufactured dairy products: Production, by specified items, United States, 1945-54

Product	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
	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 1/	1,363,717	1,171,339	1,329,094	1,210,324	1,412,111	1,386,408	1,202,981	1,188,170	2/1,412,109	1,448,688
Cheese:										
American										
Whole milk	875,084	801,264	932,718	854,447	935,206	892,706	873,458	849,817	2/1,021,056	1,042,345
Part skim	1,098	2,696	4,906	3,987	769	2,319	888	1,309	1,417	2,378
Swiss, including block	50,065	55,695	71,612	70,665	81,043	99,483	92,049	108,032	103,780	113,525
Brick and Munster	14,756	17,678	26,533	26,506	30,376	30,148	31,880	33,821	36,717	40,877
Limburger	8,777	9,548	7,753	7,358	7,180	6,003	6,539	6,091	5,752	5,018
Cream and Neufchatel	66,912	78,803	66,503	56,816	58,495	68,753	73,563	78,139	78,285	79,238
All Italian varieties	64,628	75,388	38,100	43,579	54,863	61,704	57,215	60,875	68,417	71,274
Blue mold	9,828	12,451	10,580	9,289	8,141	7,657	5,451	10,883	9,554	9,519
All other varieties	25,624	52,824	24,241	25,719	23,369	22,714	20,261	21,295	19,422	18,930
Total 3/	1,116,772	1,106,347	1,182,946	1,098,366	1,199,442	1,191,487	1,161,304	1,170,262	2/1,344,400	1,383,104
Full-skim American type	2,172	2,367	2,153	1,754	1,251	1,774	1,302	896	749	435
Cottage, pot, and bakers'	284,774	4/	4/	4/	4/	4/	4/	4/	4/	4/
Cottage cheese										
Curd 5/	-	246,303	215,302	255,639	283,938	322,803	359,671	374,869	2/403,822	433,879
Creamed 5/	-	209,893	230,597	249,236	287,067	352,428	404,997	445,704	2/500,790	533,036
Condensed milk:										
Sweetened										
Case goods										
Skimmed	216	302	243	362	-	91	1,475	-	-	-
Unskimmed	143,306	113,906	164,733	126,295	100,902	61,973	58,933	54,438	41,464	25,229
Bulk goods										
Skimmed	519,188	818,076	541,813	239,290	215,295	210,637	207,295	166,806	2/134,265	101,401
Unskimmed	77,016	69,750	82,553	45,542	47,179	39,210	42,705	47,719	2/49,457	49,132
Unsweetened										
Bulk goods										
Skimmed	454,443	487,219	403,194	494,036	537,668	523,182	467,157	510,102	2/581,088	637,491
Unskimmed	128,875	98,471	174,525	200,485	202,851	221,724	230,143	222,607	2/231,149	235,534
Evaporated milk, unsweetened:										
Case goods, unskimmed	3,776,383	3,050,643	3,208,027	3,382,893	2,755,780	2,882,475	2,896,386	2,840,036	2/2,553,339	2,534,215
Condensed or evaporated buttermilk	160,441	226,708	189,135	170,954	178,383	183,470	174,652	154,452	2/132,657	123,329
Dry milk:										
Whole milk	217,276	188,406	164,888	170,087	125,541	124,986	131,017	101,732	104,352	93,874
Nonfat dry milk solids for human food	642,546	653,465	677,941	681,532	934,934	881,492	702,476	863,220	2/1,213,774	1,402,374
Skim milk for animal feed	17,508	13,704	22,149	13,145	21,244	17,404	14,299	25,306	19,967	19,020
Buttermilk	49,578	38,627	45,437	41,839	49,359	48,837	45,467	47,067	2/57,424	56,348
Cream	203	567	320	312	178	459	1,070	874	717	839
Casein	12,333	18,319	35,831	14,372	18,348	18,531	21,620	7,482	5,532	5,175
Malted milk powder	42,751	45,029	37,354	31,361	25,369	30,710	33,391	29,811	32,482	31,415
	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
Ice cream, total	477,162	713,769	631,023	576,484	558,054	554,351	568,849	592,705	2/605,051	596,999
Sherbet	65,177	12,019	10,447	12,211	13,616	17,018	20,469	25,637	2/31,079	34,048
Ice milk	11,722	15,296	15,572	19,362	29,526	36,870	45,804	53,702	2/64,710	78,742

1/ Includes whey butter.
2/ Revised.
3/ Excludes full-skim cheddar and cottage cheese.
4/ Data not gathered on comparable basis with previous years. See cottage cheese curd and creamed cottage cheese.
5/ Comparable data for years prior to 1946 not available. Cottage cheese curd includes cottage, pot, and bakers' cheese with a butterfat content of less than 4 percent made by reporting plants. Creamed cottage cheese includes cheese with a butterfat content of 4 to 19 percent. Cottage cheese curd and creamed cottage cheese should not be added together to get a total cottage cheese figure, for while some of the cottage cheese curd is sold direct for consumption without further processing, a considerable part is creamed within the plant or shipped to another plant for creaming prior to sale.

Table 7 - Manufactured dairy products: Production, by specified items, by geographic divisions, United States, 1953 and 1954

Product	New England		Middle Atlantic		East North Central		West North Central		South Atlantic	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	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	2,852	3,441	1/44,969	48,739	421,317	433,111	1/726,582	728,514	15,486	14,600
Cheese:										
American										
Cheddar	3,680	4,786	31,628	32,903	569,851	576,417	179,687	187,654	3,289	3,937
Other varieties, whole 2/	144	217	4,051	4,543	37,636	42,608	2,143	1,882	-	-
Total, whole milk 3/	3,824	5,003	35,679	37,446	607,487	619,025	181,830	189,536	3,289	3,937
Part skim	1	-	141	94	874	1,312	155	369	-	-
Swiss, including block	-	-	724	697	71,401	76,950	17,769	17,960	3	2
Munster	-	-	444	251	11,969	14,865	-	-	-	-
Brick	-	-	34	35	23,681	24,702	447	155	-	-
Limburger	-	-	1,095	1,096	4,657	3,922	-	-	-	-
All Italian varieties	3,691	4,914	28,449	29,400	33,796	34,133	35	35	-	-
Cream 4/	1,635	1,558	29,724	32,422	27,715	27,010	33	43	-	-
Neufchatel 5/	322	214	3,003	2,627	2,608	2,245	-	-	-	-
Blue mold	-	38	14	16	7,107	7,681	1,540	1,414	2	8
All other varieties	1,050	844	7,084	7,333	9,570	8,787	28	27	-	-
Total 6/	10,523	12,571	106,391	111,417	800,865	820,632	201,837	209,539	3,294	3,947
Full-skim American type cheese	203	-	187	100	155	104	141	149	-	-
Cottage cheese										
Curd	26,132	26,088	1/78,923	82,934	1/121,310	131,613	42,296	47,465	18,148	18,690
Creamed	19,577	19,375	1/79,744	85,880	1/155,335	170,473	1/51,955	57,270	1/19,753	21,565
Condensed milk:										
Sweetened										
Case goods										
Unskimmed	-	-	1,988	869	21,800	11,016	-	-	-	-
Bulk goods										
Skimmed	1,869	1,536	40,613	28,571	53,115	39,125	9,144	6,228	8,648	10,626
Unskimmed	1,125	190	3,800	3,679	20,274	21,893	10,199	7,676	7,564	11,472
Unsweetened										
Bulk goods										
Skimmed	9,698	11,897	1/89,483	106,181	199,302	215,876	108,354	99,920	48,979	41,606
Unskimmed	16,619	17,999	94,818	97,824	49,692	54,437	2,943	4,300	28,938	24,084
Evaporated milk, unsweetened:										
Case goods										
Skimmed	-	-	-	-	15,478	14,490	1,844	2,391	-	-
Unskimmed	-	-	50,915	66,012	1,063,651	1,017,886	219,017	241,197	190,267	193,498
Conc. skim milk for animal feed	-	-	1,889	1,154	2,074	1,548	2,612	1,408	554	470
Condensed or evaporated buttermilk	99	-	2,038	1,678	54,484	47,969	61,295	69,332	1/366	717
Dry milk:										
Whole milk	-	-	18,939	22,212	68,678	59,648	8,548	3,667	-	179
Nonfat dry milk solids										
Spray process	17,561	17,078	108,092	125,599	418,044	528,770	288,898	321,414	13,696	10,679
Roller process	12,567	9,666	51,199	56,293	90,301	92,819	56,977	47,796	11,397	13,226
Total nonfat for human food	30,128	26,744	159,291	181,892	508,345	621,589	345,875	369,210	25,093	23,905
Skim milk for animal feed	778	902	4,102	2,779	7,087	7,330	4,802	3,554	1,301	796
Buttermilk	-	2	1,195	654	15,516	17,004	1/37,252	34,709	-	106
Cream	-	-	18	40	649	716	4	-	-	-
Whey	-	-	14,540	13,175	88,827	82,092	37,986	48,080	-	-
Casein	555	397	3,063	2,835	588	115	506	-	-	-
	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
Frozen products: 7/										
Ice cream										
Wholesale	36,207	35,117	1/131,101	128,284	1/126,636	125,515	1/55,494	56,264	66,228	65,182
Retail	1/3,663	3,966	1/19,464	19,386	11,567	10,935	1/4,475	4,688	1/4,664	5,105
Total	1/39,870	39,083	1/150,565	147,670	1/138,203	136,450	1/59,969	60,952	1/70,892	70,287
Sherbet, milk	1/1,670	1,650	3,288	4,229	1/8,334	8,779	1/2,591	2,967	1/5,426	5,926
Ice milk	1/2,953	3,678	-	-	1/7,316	10,883	1/8/9,961	8/11,947	1/7,443	9,073
Other frozen dairy products	1/300	139	1/441	452	3,578	1,912	1/1,472	860	1/1,062	825
Mellorine	-	-	-	-	5,300	4,681	1/2,493	3,017	-	-
Water ices	1/1,633	1,425	6,689	6,507	4,772	4,845	1/2,072	2,113	1/5,134	5,013
Ice cream mix	21,520	21,681	1/79,429	82,948	1/75,656	74,293	1/31,743	33,076	37,883	36,729
All other mix	2,745	2,904	1,948	2,260	1/11,486	12,736	1/8,051	8,731	1/7,467	9,061

Continued

Table 7 - Manufactured dairy products: Production, by specified items, by geographic divisions, United States, 1953 and 1954 (Continued)

Product	South Central		Mountain		Pacific		United States		
	1953	1954	1953	1954	1953	1954	1953	1954	Percentage change
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Percent
Butter, creamery	1/79,643	75,376	57,849	65,137	63,411	79,770	1/1,412,109	1,448,688	+ 3
Cheese:									
American									
Cheddar	1/121,749	107,450	1/30,909	28,406	26,214	28,891	1/967,007	970,444	0
Other varieties, whole 2/	47	8,421	1/4,355	9,197	5,673	5,033	1/54,049	71,901	+ 33
Total, whole milk 3/	1/121,796	115,871	1/35,264	37,603	31,887	33,924	1/1,021,056	1,042,345	+ 2
Part skim	-	-	85	212	161	391	1,417	2,378	+ 68
Swiss, including block	3,487	6,651	10,385	11,242	11	23	103,780	113,525	+ 9
Munster	45	487	-	-	-	-	12,458	15,603	+ 25
Brick	54	377	2	-	41	5	24,259	25,274	+ 4
Limburger	-	-	-	-	-	-	5,752	5,018	- 13
All Italian varieties	-	-	-	-	2,446	2,792	68,417	71,274	+ 4
Cream 4/	5,726	5,899	2	-	6,635	6,480	71,470	73,412	+ 3
Neufchatel 5/	882	738	-	-	-	2	6,815	5,826	- 15
Blue mold	-	-	-	1	891	361	9,554	9,519	0
All other varieties	61	86	179	150	1,450	1,703	19,422	18,930	- 3
Total 6/	1/132,051	130,109	1/45,917	49,208	43,522	45,681	1/1,344,400	1,383,104	+ 3
Full-skim American type cheese	-	38	63	16	-	28	749	435	- 42
Cottage cheese									
Curd	25,023	28,087	12,616	13,834	79,374	85,168	1/403,822	433,879	+ 7
Creamed	38,446	43,404	16,804	19,142	119,176	117,927	1/500,790	535,036	+ 7
Condensed milk:									
Sweetened									
Case goods									
Unskimmed	10,656	9,863	-	-	7,020	3,481	41,464	25,229	- 39
Bulk goods									
Skimmed	1/5,183	6,139	2,373	1,487	13,320	7,689	1/134,265	101,401	- 24
Unskimmed	1/2,931	526	-	50	3,564	3,646	1/49,457	49,132	- 1
Unsweetened									
Bulk goods									
Skimmed	1/59,834	61,590	6,146	7,837	59,292	92,584	1/581,088	637,491	+ 10
Unskimmed	1/9,860	10,206	4,879	2,038	1/23,400	24,646	1/231,149	235,534	+ 2
Evaporated milk, unsweetened:									
Case goods									
Skimmed	-	-	-	-	-	-	17,322	16,881	- 3
Unskimmed	499,026	503,325	165,905	159,919	1/364,558	352,378	1/2,553,339	2,534,215	- 1
Conc. skim milk for animal feed	-	-	-	-	-	-	7,129	4,580	- 36
Condensed or evaporated buttermilk	14,191	3,503	184	130	-	-	1/132,657	123,329	- 7
Dry milk:									
Whole milk	-	-	1,336	897	6,851	7,271	104,352	93,874	- 10
Nonfat dry milk solids									
Spray process	8,308	7,959	50,639	62,441	66,340	84,597	971,578	1,158,537	+ 19
Roller process	7,875	7,867	-	28	1/11,880	16,142	1/242,196	243,837	+ 1
Total nonfat for human food	16,183	15,826	50,639	62,469	1/78,220	100,739	1/1,213,774	1,402,374	+ 16
Skim milk for animal feed	114	363	318	480	1,465	2,816	19,967	19,020	- 5
Buttermilk	1,493	2,065	987	966	981	842	1/57,424	56,348	- 2
Cream	-	-	-	-	46	83	717	839	+ 17
Whey	6,203	6,215	9,143	8,662	17,957	17,103	174,656	175,327	0
Casein	64	-	70	117	686	1,711	5,532	5,175	- 6
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	
Frozen products: 7/									
Ice cream									
Wholesale	1/61,984	62,089	16,969	17,135	1/55,209	52,787	1/549,828	542,373	- 1
Retail	1/3,553	3,350	1/2,007	1,923	5,830	5,273	1/55,223	54,626	- 1
Total	1/65,537	65,439	1/18,976	19,058	1/61,039	58,060	1/605,051	596,999	- 1
Sherbet, milk	1/3,932	4,696	1/1,259	1,360	4,579	4,441	1/31,079	34,048	+ 10
Ice milk	1/12,882	14,483	1/8/5,164	8/6,005	1/8/18,991	8/22,673	1/64,710	78,742	+ 22
Other frozen dairy products	1/1,724	1,113	1/464	438	199	41	1/9,240	5,780	- 37
Mellorine	1/14,944	21,031	79	132	1,391	2,558	1/24,207	31,419	+ 30
Water ices	1/3,571	3,510	1/731	802	1/2,249	2,299	1/26,851	26,514	- 1
Ice cream mix	1/35,702	35,338	9,946	9,899	1/31,604	30,162	1/323,483	324,126	0
All other mix	1/8,771	9,818	3,817	4,667	13,403	15,637	1/57,688	65,814	+ 14

1/ Revised.
2/ Includes colby, washed curd, high and low moisture jack, Monterey, and granular.
3/ Comparable to data published prior to 1944 under designation of American Cheddar cheese.
4/ Not less than 33 percent butterfat.
5/ Butterfat content ranges from 20 to 32 percent, inclusive.
6/ Excluding full-skim American and cottage cheese.
7/ The production shown for frozen products includes that made by all types of plants for both wholesale and retail.
8/ Includes low fat or substandard ice cream in Montana and Oregon; substandard frozen dessert in Iowa; imitation ice cream in North Dakota.

Table 8 - Manufactured dairy products: Production, by specified items, United States, by months, 1954

Product	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Butter:														
Creamery	2,475	118,245	117,222	142,147	140,864	164,931	159,646	128,097	108,773	92,259	88,858	88,349	99,297	1,448,688
Cheese:														
American														
Cheddar	1,362	69,527	71,074	88,521	97,306	120,995	118,648	95,004	79,868	63,257	56,752	53,098	56,394	970,444
Other varieties, whole milk 1/	181	4,188	4,349	4,229	6,637	9,009	8,526	6,984	6,322	6,238	5,444	4,803	5,172	71,901
Total, whole milk 2/	1,406	73,715	75,423	92,750	103,943	130,004	127,174	101,988	86,190	69,495	62,196	57,901	61,566	1,042,345
Part skim	17	161	187	193	321	304	229	205	346	139	125	61	107	2,378
Swiss, including block	236	7,513	7,156	8,298	9,551	12,357	12,275	11,196	10,949	9,423	8,508	8,004	8,295	113,525
Munster	79	1,269	1,190	1,253	1,311	1,725	1,518	1,115	997	982	1,361	1,314	1,568	15,603
Brick	111	2,032	1,763	1,686	2,260	2,541	2,264	2,081	2,134	1,882	2,111	2,238	2,282	25,274
Limburger	23	341	382	450	456	523	506	418	378	408	462	366	328	5,018
All Italian varieties	132	5,990	5,685	6,605	7,273	6,533	6,024	5,258	4,774	5,007	5,124	5,735	7,266	71,274
Cream 3/	36	6,761	5,812	6,728	6,379	5,656	5,953	5,184	5,080	5,784	6,150	6,686	7,239	73,412
Neufchâtel 4/	17	556	451	510	497	650	390	497	405	511	517	428	414	5,826
Blue mold	23	842	823	918	858	945	894	792	701	673	675	632	766	9,519
All other varieties	64	1,483	1,435	1,660	1,899	1,770	1,638	1,369	1,349	1,473	1,585	1,625	1,644	18,930
Total 5/	1,829	100,663	100,307	121,051	134,748	163,008	158,865	130,103	113,303	95,777	88,814	84,990	91,475	1,383,104
Full-skim Am. type cheese	12	17	10	31	17	74	35	19	33	21	42	82	54	435
Cottage cheese														
Curd	1,776	31,793	32,781	42,395	39,681	40,060	39,928	38,466	35,766	33,749	34,700	32,785	31,775	433,879
Creamed	1,747	39,200	40,457	52,298	49,163	47,435	48,539	48,296	44,199	42,219	42,797	40,888	39,545	535,036
Condensed milk:														
Sweetened														
Case goods														
Unskimmed	5	2,303	1,839	2,118	2,484	1,657	1,764	1,947	2,569	2,242	2,129	2,080	2,097	25,229
Bulk goods														
Skimmed	151	7,705	6,508	8,655	9,786	13,808	11,199	8,754	8,746	7,796	6,769	5,146	6,529	101,401
Unskimmed	72	3,668	3,219	3,388	4,119	6,306	4,321	4,329	4,621	4,078	4,187	3,624	3,272	49,132
Unsweetened														
Bulk goods														
Skimmed	361	39,701	42,570	50,780	59,322	66,826	71,332	67,493	62,833	52,767	46,516	38,302	39,049	637,491
Unskimmed	129	15,083	15,327	19,419	19,529	21,908	23,204	25,502	23,790	19,340	19,362	16,369	16,701	235,534
Evaporated milk, unsweetened:														
Case goods														
Skimmed	10	1,624	1,842	1,536	1,710	1,556	1,395	990	1,187	1,286	1,087	1,341	1,327	16,881
Unskimmed	97	165,399	156,132	194,476	243,796	314,645	308,014	265,801	238,673	186,396	159,044	150,621	153,218	2,534,215
Concentrated skim milk for animal feed	7	284	228	435	357	948	677	364	337	245	212	196	297	4,580
Condensed or evaporated buttermilk	73	12,096	10,307	11,704	12,343	12,979	13,362	10,439	10,911	9,396	6,400	6,157	7,235	123,329
Condensed whey	58	14,492	14,306	16,389	16,219	18,067	18,078	15,955	14,623	12,952	11,653	11,835	10,635	175,204
Dry milk:														
Whole milk	55	6,061	6,107	6,585	10,547	10,572	10,848	8,294	7,454	6,726	6,698	6,604	7,378	93,874
Nonfat dry milk solids														
Spray process	291	94,849	92,581	115,747	118,898	139,853	131,491	101,894	81,727	67,205	66,092	65,949	82,251	1,158,537
Roller process	235	19,172	20,055	27,025	29,300	39,499	35,034	19,346	11,913	10,485	9,831	9,434	12,743	243,837
Total nonfat for human food	460	114,021	112,636	142,772	148,198	179,352	166,525	121,240	93,640	77,690	75,923	75,383	94,994	1,402,374
Skim milk for animal feed	236	1,421	1,449	1,981	2,006	2,479	2,472	1,563	1,330	982	1,131	928	1,278	19,020
Dry ice cream mix 6/	10	525	1,227	1,220	982	1,333	1,018	967	839	680	856	555	751	10,653
Buttermilk	215	4,790	4,819	5,757	5,459	6,139	6,091	5,065	3,959	3,516	3,310	3,483	3,960	56,348
Cream	5	92	58	28	65	128	66	61	54	47	95	51	94	839
Whey	88	14,211	12,569	12,883	14,713	16,151	15,993	16,015	15,456	12,252	12,724	15,028	17,332	175,327
Casein	13	443	418	671	564	849	612	419	256	242	242	211	248	5,175
Malted milk powder	7	2,592	2,551	3,261	3,188	2,941	2,958	2,103	2,500	2,390	2,014	2,369	2,548	31,415
Milk sugar, crude	13	3,528	2,510	3,160	2,921	3,140	2,820	2,542	2,237	2,066	2,536	2,307	2,749	32,516
		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	1,000 gallons	1,000 gallons	1,000 gallons
Frozen products: 7/														
Ice cream														
Wholesale	3,099	30,970	35,086	42,330	46,165	47,117	59,942	62,465	57,372	49,471	41,229	35,962	34,264	542,373
Retail	16,557	2,844	3,181	3,803	4,521	5,069	6,334	6,745	6,146	5,073	4,138	3,507	3,265	54,626
Total	19,656	33,814	38,267	46,133	50,686	52,186	66,276	69,210	63,518	54,544	45,367	39,469	37,529	596,999
Sherbet, milk	6,587	1,258	1,519	2,178	2,797	3,426	4,943	5,588	4,278	2,999	2,062	1,623	1,377	34,048
Ice milk	12,077	3,599	4,337	5,365	6,729	7,398	9,298	10,362	9,111	8,111	5,949	4,571	3,912	78,742
Other frozen dairy products	433	254	295	387	516	540	758	790	682	586	453	290	229	5,780
"Mellorine type" frozen desserts	1,223	1,505	1,998	2,342	2,724	2,707	3,628	3,909	3,627	3,139	2,444	1,762	1,634	31,419
Water ices	2,704	330	750	1,759	3,006	3,487	4,850	4,638	3,405	1,883	1,107	644	475	26,514
Ice cream mix	3,057	17,880	20,447	24,926	27,738	28,646	36,694	38,309	34,729	29,411	24,290	21,003	20,053	324,126
All other mix	1,741	2,330	3,003	4,216	5,957	6,779	8,857	9,628	8,144	6,565	4,413	3,195	2,747	65,814

1/ Includes colby, washed curd, high and low moisture jack, Monterey, and granular.
2/ Comparable with data published prior to 1944 under designation of American Cheddar cheese.
3/ Not less than 33 percent butterfat.
4/ Butterfat content ranging from 20 to 32 percent, inclusive.
5/ Excluding full-skim American and cottage cheese.
6/ Includes concentrated ice cream mix converted to dry ice cream mix equivalent.
7/ The production shown for frozen products includes that made by all types of plants for both wholesale and retail.

Table 9 - Manufactured dairy products: Production, by specified items, by States, 1953 and 1954

Product	Alabama		Arizona		Arkansas		California		Colorado		Connecticut		Delaware	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	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	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	1/	1/	1/	1/	4,110	3,623	28,482	39,887	16,347	16,526	-	1/	-	-
Cheese:														
American														
Cheddar	3,453	2,814	-	-	13,797	12,928	542	1,760	2,421	2,428	-	-	-	-
Other varieties, whole milk 2/	-	1/	-	-	-	1/	3,487	3,823	-	1/	-	-	-	-
Total, whole milk 3/	3,453	3,246	-	-	13,797	13,068	4,029	5,583	2,421	2,448	-	-	-	-
Part skim	-	-	-	-	-	-	161	391	1/	1/	-	-	-	-
Swiss, including block	-	-	-	-	1/	1/	-	-	-	-	-	-	-	-
Munster	-	-	-	-	1/	1/	-	-	-	-	-	-	-	-
Brick	-	-	-	-	1/	1/	1/	1/	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Italian varieties	-	-	-	-	-	-	2,397	2,739	-	-	1/	1/	-	-
Cream 4/	-	-	-	-	-	-	5,658	5,593	-	-	-	-	-	-
Neufchatel 5/	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Blue mold	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other varieties	-	-	1/	1/	-	-	1,222	1,249	-	-	-	-	-	-
Total 6/	3,453	7/3,246	1/	1/	7/15,571	7/16,612	7/13,508	7/ 15,562	7/2,480	7/2,518	1/	1/	-	-
Full-skim Am. type cheese	-	-	-	-	-	-	-	1/	1/	1/	-	-	-	-
Cottage cheese														
Curd 8/	542	606	1,281	1,575	1,037	727	61,247	65,903	4,578	4,714	3,628	4,191	99	76
Creamed 8/	441	494	2,026	2,323	986	733	91,183	87,972	5,122	5,741	2,194	2,504	33	42
Condensed milk:														
Sweetened														
Case goods														
Unskimmed	-	-	-	-	-	-	1/	1/	-	-	-	-	-	-
Bulk goods														
Skimmed	-	-	-	-	1/	1/	8,217	3,465	2,373	1,487	-	-	-	-
Unskimmed	-	-	-	-	-	-	1,405	974	-	1/	1/	1/	-	-
Unsweetened														
Bulk goods														
Skimmed	2,230	1,963	1/	1/	3,023	4,503	53,431	85,919	929	3,132	233	372	-	-
Unskimmed	1/	-	1/	-	-	-	19,648	19,842	1/	1/	1/	2,223	-	-
Evaporated milk, unsweetened:														
Case goods, unskimmed	-	-	1/	-	1/	1/	289,826	277,307	1/	1/	-	-	-	-
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	1/	1/	-	-	1/	1/	-	-	-	-
Dry milk:														
Whole milk	-	-	-	-	-	-	5,991	6,219	1/	1/	-	-	-	-
Nonfat dry milk solids														
Spray process	-	-	-	-	-	-	50,580	68,039	-	1/	-	-	-	-
Roller process	-	-	-	-	-	-	5,664	7,066	-	-	-	-	-	-
Total nonfat for human food	-	-	-	-	-	-	56,244	73,105	-	1/	-	-	-	-
Skim milk, for animal feed	-	-	1/	1/	-	-	456	865	-	-	-	-	-	-
Buttermilk	-	-	1/	1/	1/	1/	586	570	1/	1/	-	-	-	-
Whey	-	-	-	-	1/	1/	1/	1/	-	-	-	-	-	-
Casein	-	-	1/	1/	-	-	674	1,711	-	-	-	-	-	-
	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	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Frozen products: 9/														
Ice cream														
Wholesale	7,050	7,871	2,172	2,338	10/2,362	2,296	42,405	40,187	5,319	5,445	7,206	6,919	1,858	1,774
Retail	214	115	274	200	10/317	282	3,317	2,965	225	378	658	724	160	217
Total	7,264	7,986	2,446	2,538	10/2,679	2,578	45,722	43,152	5,544	5,823	7,864	7,643	2,018	1,991
Sherbet, milk	482	447	147	182	10/81	120	3,916	3,776	520	507	314	266	56	1/
Ice milk	2,098	2,049	973	1,078	10/838	1,356	14,964	18,312	1,543	1,891	717	879	-	-
Other frozen dairy products	-	-	76	-	10/39	-	-	-	203	328	38	-	-	-
Mellorine	56	144	-	-	10/166	325	1,130	2,260	-	-	-	-	-	-
Water ices	500	529	200	161	10/116	127	1,817	1,964	173	220	336	269	88	90
Ice cream mix	3,737	3,930	1,277	1,248	10/2,566	2,393	23,378	22,462	3,030	3,013	4,604	4,726	969	938
All other mix	1,598	1,586	858	898	10/115	362	10,516	12,296	1,232	1,613	362	357	59	1/

See footnotes on page 22.

Continued

Table 9 - Manufactured dairy products: Production, by specified items, by States, 1953 and 1954 - Continued

Product	District of Columbia		Florida		Georgia		Idaho		Illinois		Indiana		Iowa	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	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	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	-	-	1/	1/	737	399	24,816	32,079	57,730	57,602	38,001	39,402	187,296	188,070
Cheese:														
American														
Cheddar	-	-	-	-	557	748	17,384	14,130	53,386	49,591	22,805	19,741	16,486	20,954
Other varieties, whole milk 2/	-	-	-	-	-	-	3,940	8,325	2,036	2,688	9,810	8,019	924	1,145
Total, whole milk 3/	-	-	-	-	557	748	21,324	22,455	55,422	52,279	32,615	27,760	17,410	22,099
Part skim	-	-	-	-	-	-	1/	1/	-	1/	652	1,075	155	1/
Swiss, including block	-	-	-	-	-	-	4,880	5,124	27,972	32,129	1/	-	348	351
Munster	-	-	-	-	-	-	-	-	206	135	1,981	3,348	-	-
Brick	-	-	-	-	-	-	1/	-	822	701	6,387	6,846	1/	1/
Limburger	-	-	-	-	-	-	-	-	654	956	1/	-	-	-
All Italian varieties	-	-	-	-	-	-	-	-	2,415	2,714	1/	1/	-	-
Cream 4/	-	-	-	-	-	-	-	-	344	368	-	-	-	-
Neufchatel 5/	-	-	-	-	-	-	-	-	1/	1/	-	-	-	-
Blue mold	-	-	-	-	-	-	-	1/	1/	1/	1/	1/	1/	1/
All other varieties	-	-	-	-	-	-	-	-	1,059	932	-	-	1/	1/
Total 6/	-	-	-	-	557	748	7/26,232	7/27,722	7/91,886	7/93,110	7/43,097	7/39,782	7/18,213	7/23,035
Full-skim Am. type cheese	-	-	-	-	-	-	-	-	-	-	-	1/	-	1/
Cottage cheese														
Curd 8/	2,219	2,088	2,301	1,984	856	848	1,113	1,289	10/22,916	25,233	10/10,735	11,154	8,969	7,725
Creamed 8/	3,072	2,903	2,483	2,554	754	995	1,488	1,857	10/25,649	28,897	10/14,373	16,410	7,806	7,961
Condensed milk:														
Sweetened														
Case goods														
Unskimmed	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bulk goods														
Skimmed	-	-	-	-	-	1/	-	-	7,836	2,186	6,884	5,430	38	1/
Unskimmed	-	-	-	-	1/	1/	-	-	1,099	1,026	1,836	2,040	-	-
Unsweetened														
Bulk goods														
Skimmed	-	-	-	-	1/	497	1/	1/	27,001	28,571	16,902	13,887	13,631	12,364
Unskimmed	-	-	-	-	2,304	1/	-	-	1,321	1,734	15,576	14,696	1/	1/
Evaporated milk, unsweetened:														
Case goods, unskimmed	-	-	-	-	-	-	1/	1/	138,819	134,572	81,556	86,189	1/	1/
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	-	1/	-	1/	1/	1/	1/
Condensed or evaporated buttermilk	-	-	-	-	-	-	-	-	40,860	34,910	1/	1/	35,123	41,356
Dry milk:														
Whole milk	-	-	-	-	-	-	1/	1/	5,614	7,338	1/	1/	-	-
Nonfat dry milk solids														
Spray process	-	-	-	-	1/	1/	40,709	52,764	9,483	13,895	20,410	20,440	19,410	25,503
Roller process	-	-	-	-	-	-	-	-	3,792	3,554	17,272	15,426	10,291	12,119
Total nonfat for human food	-	-	-	-	1/	1/	40,709	52,764	13,275	17,449	37,682	35,866	29,701	37,622
Skim milk, for animal feed	-	-	-	-	-	-	217	304	325	243	309	425	1,931	1,564
Buttermilk	-	-	-	-	-	-	1/	1/	592	875	1,286	1,037	10/8,542	7,145
Whey	-	-	-	-	-	-	6,110	4,732	3,047	7,849	8,121	1/	1,428	1,622
Casein	-	-	-	-	-	-	-	-	1/	1/	-	-	1/	-
	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	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Frozen products: 9/														
Ice cream														
Wholesale	5,558	4,673	11,464	12,687	7,208	7,206	2,166	2,153	27,086	27,077	18,392	18,112	10/9,962	10,410
Retail	396	361	619	474	301	348	281	298	2,716	2,209	2,347	2,522	10/1,696	1,920
Total	5,954	5,034	12,083	13,161	7,509	7,554	2,447	2,451	29,802	29,286	20,739	20,634	10/11,658	12,330
Sherbet, milk	264	290	853	997	665	581	98	130	1,903	1,781	726	841	10/555	645
Ice milk	15	1/	1,707	2,246	10/1,064	1,267	674	723	3,393	5,022	-	296	10/1,72,241	11/2,201
Other frozen dairy products	1/	-	106	-	180	130	-	15	2,619	1,281	-	-	10/231	201
Mellorine	-	-	-	-	-	-	-	-	5,300	4,681	-	-	-	-
Water ices	267	54	825	899	383	450	24	11	1,599	1,476	356	337	261	260
Ice cream mix	2,456	1,996	6,531	6,748	5,225	4,912	1,220	1,339	15,525	15,454	10,384	10,313	5,780	6,141
All other mix	77	136	1,136	2,310	10/916	1,148	321	371	4,621	4,824	629	751	10/1,724	1,583

See footnotes on page 22.

Continued

Table 9 - Manufactured dairy products: Production, by specified items, by States, 1953 and 1954 - Continued

Product	Kansas		Kentucky		Louisiana		Maine		Maryland		Massachusetts		Michigan	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	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	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter, creamery	44,743	46,203	17,521	17,197	[illegible]	323	237	220	3,132	3,802	324	331	54,303	51,887
Cheese:														
American														
Cheddar	11,610	13,212	33,626	29,081	368	366	-	-	1/	1/	-	-	25,135	21,307
Other varieties, whole milk 2/	-	-	-	1/	-	-	-	-	-	-	-	-	7,229	9,880
Total, whole milk 3/	11,610	13,212	33,626	33,225	368	366	-	-	1/	1/	-	-	32,364	31,187
Part skim	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Swiss, including block	-	-	-	-	-	-	-	-	1/	1/	-	-	-	-
Munster	-	-	-	1/	-	-	-	-	-	-	-	-	-	-
Brick	-	-	-	1/	-	-	-	-	-	-	-	-	1/	1/
Limburger	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Italian varieties	-	-	-	-	-	-	1/	1/	-	-	1,110	1,217	2,531	1,617
Cream 4/	-	-	-	-	-	-	-	-	-	-	1,635	1,558	-	-
Neufchatel 5/	-	-	-	-	-	-	-	-	-	-	1/	1/	-	-
Blue mold	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other varieties	-	-	1/	1/	-	-	1/	1/	-	-	-	-	1/	322
Total 6/	11,610	13,212	7/33,685	7/33,512	368	366	1/	1/	1/	1/	7/2,787	7/2,817	7/35,017	7/34,086
Full-skim Am. type cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cottage cheese														
Curd 8/	7,241	8,280	6,024	6,448	1,300	1,360	4,975	5,346	5,252	5,928	702	938	28,698	29,532
Creamed 8/	7,646	10,660	8,511	9,409	2,556	2,573	1,090	1,087	6,565	7,412	5,794	5,259	39,777	42,742
Condensed milk:														
Sweetened														
Case goods														
Unskimmed	-	-	-	-	-	-	-	-	-	-	-	-	1/	1/
Bulk goods														
Skimmed	3,378	1,463	10/722	898	1/	1/	1/	1/	5,713	6,843	1/	-	2,667	1,966
Unskimmed	1/	1/	1/	170	1/	1/	1/	1/	7,219	1/	-	-	1/	1/
Unsweetened														
Bulk goods														
Skimmed	25,188	34,712	1,980	2,396	1/	1/	4,528	5,593	13,425	12,970	1/	1/	25,718	30,697
Unskimmed	1/	1/	1/	1/	-	-	1/	1/	10,477	18,514	-	-	11,529	9,006
Evaporated milk, unsweetened:														
Case goods, unskimmed	55,378	57,821	196,038	201,550	1/	1/	-	-	1/	1/	-	-	131,795	122,517
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	-	-	-	-	-	1/	-
Condensed or evaporated buttermilk	5,803	4,739	1/	1/	-	-	-	-	1/	1/	-	-	1/	1/
Dry milk:														
Whole milk	1/	1/	-	-	-	-	-	-	-	-	-	-	7,502	4,800
Nonfat dry milk solids														
Spray process	19,448	18,686	1/	1/	-	-	-	-	1/	1/	1/	1/	39,084	38,987
Roller process	1/	1/	1/	1/	1/	1/	1/	1/	11,021	12,105	1/	1/	26,090	28,344
Total nonfat for human food	19,470	18,746	2,343	2,286	1/	1/	1/	1/	13,159	13,002	1/	1/	65,174	67,331
Skim milk, for animal feed	1/	1/	1/	1/	1/	-	1/	1/	395	477	1/	1/	2,024	1,313
Buttermilk	1,837	1,823	1/	1/	-	-	-	-	-	-	-	-	2,704	3,035
Whey	-	-	-	-	-	-	-	-	-	-	-	-	1/	3,346
Casein	-	-	-	-	-	-	-	-	-	-	-	-	1/	1/
	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	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Frozen products: 9/														
Ice cream														
Wholesale	6,606	6,488	5,392	5,356	7,530	7,827	3,143	3,109	9,210	9,168	20,043	19,510	10/28,794	27,665
Retail	462	503	10/386	366	10/364	264	10/327	327	10/825	1,093	1,791	2,048	1,685	1,497
Total	7,068	6,991	10/5,778	5,722	10/7,894	8,091	10/3,470	3,436	10/10,035	10,261	21,834	21,558	10/30,479	29,162
Sherbet, milk	289	372	10/327	419	10/404	482	10/136	109	10/765	849	874	949	10/3,643	3,934
Ice milk	12/2,639	12/3,352	10/787	1,131	10/976	1,506	10/559	625	-	-	1,439	1,786	-	-
Other frozen dairy products	266	-	146	67	10/219	175	10/59	1/	10/108	73	140	100	-	-
Mellorine	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water ices	184	160	215	211	10/499	459	134	89	10/571	609	939	910	683	986
Ice cream mix	10/3,695	4,090	3,896	3,669	3,849	3,680	1,694	1,776	6,373	6,704	11,797	11,754	10/17,090	16,724
All other mix	10/1,859	2,243	362	585	942	1,056	392	308	673	568	1,697	1,916	2,013	2,417

See footnotes on page 22.

Continued

Table 9 - Manufactured dairy products: Production, by specified items, by States, 1953 and 1954 - Continued

Product	Minnesota		Mississippi		Missouri		Montana		Nebraska		Nevada	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	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	1,000 pounds	1,000 pounds
Butter, creamery	10/267,974	272,093	6,086	5,570	66,332	60,878	6,634	6,405	76,988	78,198	574	557
Cheese:												
American												
Cheddar	63,492	63,324	15,873	12,641	84,316	87,085	4,005	4,472	1,839	356	-	-
Other varieties, whole milk 2/	-	-	-	3,092	1/	1/	-	-	-	1/	-	-
Total, whole milk 3/	63,492	63,324	15,873	15,733	85,535	87,729	4,005	4,472	1,839	449	-	-
Part skim	-	-	-	-	-	-	-	-	-	-	-	-
Swiss, including block	1/	1/	-	-	-	1/	-	-	-	-	-	-
Munster	-	-	-	-	-	-	-	-	-	-	-	-
Brick	1/	1/	-	-	-	-	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-	-	-	-	-
All Italian varieties	-	-	-	-	1/	1/	-	-	-	-	-	-
Cream 4/	-	-	-	-	1/	1/	1/	-	-	1/	-	-
Neufchatel 5/	-	-	-	-	-	-	-	-	-	-	-	-
Blue mold	1,281	1,233	-	-	-	-	-	-	-	-	-	-
All other varieties	1/	1/	1/	-	-	1/	-	-	-	-	-	-
Total 6/	7/82,628	7/82,296	7/15,875	15,733	7/85,603	7/87,815	7/4,007	4,472	1,839	7/458	-	-
Full-skim American type cheese	1/	1/	-	-	-	-	-	-	-	-	-	-
Cottage cheese												
Curd 8/	9,425	9,616	184	444	11,281	16,202	1,050	1,041	4,050	4,102	78	57
Creamed 8/	10/12,102	11,846	232	400	17,264	18,858	1,175	1,265	5,248	5,726	104	86
Condensed milk:												
Sweetened												
Case goods												
Unskimmed	-	-	1/	1/	-	-	-	-	-	-	-	-
Bulk goods												
Skimmed	3,434	2,363	1/	1/	476	262	-	-	1,163	1,425	-	-
Unskimmed	9,710	1/	1/	1/	1/	-	-	-	147	1/	-	-
Unsweetened												
Bulk goods												
Skimmed	10,002	9,218	10/7,399	7,760	31,980	25,159	-	-	27,553	18,467	1/	1/
Unskimmed	-	1/	1/	2,527	2,222	3,092	-	-	709	1/	-	-
Evaporated milk, unsweetened:												
Case goods, unskimmed	1/	1/	1/	1/	97,998	123,843	-	-	-	-	-	-
Concentrated skim milk for animal feed	1/	-	-	-	1/	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	4,043	4,221	-	-	5,544	6,838	-	-	9,388	10,570	-	-
Dry milk:												
Whole milk	8,435	1/	-	-	-	-	-	-	-	-	-	-
Nonfat dry milk solids												
Spray process	202,663	235,055	-	1/	39,478	36,753	-	-	7,899	5,417	-	-
Roller process	43,931	33,218	4,146	3,389	1,994	1,449	-	-	-	-	-	1/
Total nonfat for human food	246,594	268,273	4,146	5,079	41,472	38,202	-	-	7,899	5,417	-	1/
Skim milk, for animal feed	2,129	1,250	1/	341	508	515	-	-	1/	1/	-	-
Buttermilk	10/19,761	18,207	123	1/	579	820	-	-	2,192	2,061	-	-
Whey	15,577	26,549	-	-	20,981	19,909	1/	-	-	-	-	-
Casein	1/	-	-	-	-	-	-	-	-	-	-	-
	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	1,000 gallons	1,000 gallons
Frozen products: 9/												
Ice cream												
Wholesale	14,584	14,833	10/2,984	3,273	14,953	14,972	2,134	2,002	10/5,487	5,808	854	691
Retail	514	469	186	172	10/905	812	565	477	521	576	34	30
Total	15,098	15,302	10/3,170	3,445	10/15,858	15,784	2,699	2,479	10/6,008	6,384	888	721
Sherbet, milk	486	531	10/189	224	10/725	875	89	111	10/364	375	62	60
Ice milk	1,122	1,153	10/1,725	1,823	10/1,851	2,753	13/293	13/360	10/1,563	1,717	286	292
Other frozen dairy products	110	167	81	57	508	222	-	-	227	205	-	-
Mellorine	-	-	-	-	10/2,493	3,017	79	124	-	-	-	1/
Water ices	698	715	190	239	10/635	673	58	67	149	120	-	1
Ice cream mix	8,512	8,935	10/1,872	1,894	8,442	8,468	1,411	1,302	10/3,142	3,185	439	365
All other mix	1,259	1,366	10/1,276	1,324	1,719	1,936	66	168	10/1,225	1,273	150	146

See footnotes on page 22.

Continued

Table 9 - Manufactured dairy products: Production, by specified items, by States, 1953 and 1954 - Continued

Product	New Hampshire		New Jersey		New Mexico		New York		North Carolina		North Dakota	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	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	1,000 pounds	1,000 pounds
Butter, creamery	1/	1/	23	49	765	777	34,159	35,518	1,813	2,582	50,118	50,602
Cheese:												
American												
Cheddar	-	-	1/	1/	-	-	30,682	32,296	1/	1/	-	-
Other varieties, whole milk 2/	-	-	-	-	-	-	3,809	4,316	-	-	-	-
Total, whole milk 3/	-	-	1/	1/	-	-	34,491	36,612	1/	1/	-	-
Part skim	-	-	-	-	-	-	1/	-	-	-	-	-
Swiss, including block	-	-	-	-	-	-	1/	1/	-	-	-	-
Munster	-	-	-	-	-	-	1/	-	-	-	-	-
Brick	-	-	-	-	-	-	34	35	-	-	-	-
Limburger	-	-	-	-	-	-	1,095	1,096	-	-	-	-
All Italian varieties	-	-	2,397	2,984	-	-	24,427	24,628	-	-	-	-
Cream 4/	-	-	1/	1/	-	-	26,069	28,801	-	-	-	-
Neufchatel 5/	-	-	1/	1/	-	-	615	1/	-	-	-	-
Blue mold	-	-	-	-	-	-	-	-	-	-	-	-
All other varieties	-	-	-	-	-	-	6,435	6,765	-	-	-	-
Total 6/	-	-	7/2,857	7/3,536	-	-	7/93,545	7/98,623	1/	1/	-	-
Full-skim American type cheese	-	-	-	-	-	-	137	1/	-	-	-	-
Cottage cheese												
Curd 8/	151	178	3,690	2,806	970	1,221	54,530	58,757	1,766	2,540	239	289
Creamed 8/	181	182	3,991	4,179	1,466	1,801	53,479	58,436	2,097	2,781	419	518
Condensed milk:												
Sweetened												
Case goods												
Unskimmed	-	-	-	-	-	-	1,988	1/	-	-	-	-
Bulk goods												
Skimmed	-	-	1/	1/	-	-	15,333	11,196	-	-	1/	1/
Unskimmed	-	-	-	-	-	-	1,961	1,656	-	-	-	-
Unsweetened												
Bulk goods												
Skimmed	-	-	1/	67	1/	1/	56,692	60,426	1,622	2,727	-	-
Unskimmed	-	-	1/	1/	1/	1/	66,988	69,968	6,114	4,998	-	-
Evaporated milk, unsweetened:												
Case goods, unskimmed	-	-	-	-	-	-	1/	1/	1/	1/	-	-
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	-	-	1/	1/	-	-	-	-
Dry milk:												
Whole milk	-	-	-	-	-	-	18,939	22,212	-	-	-	-
Nonfat dry milk solids												
Spray process	-	-	-	-	-	-	96,281	105,780	1/	1/	-	-
Roller process	-	-	1/	1/	-	-	43,257	47,193	-	-	-	-
Total nonfat for human food	-	-	1/	1/	-	-	139,538	152,973	1/	1/	-	-
Skim milk, for animal feed	-	-	-	-	-	-	3,855	2,571	-	-	-	-
Buttermilk	-	-	-	-	-	-	1,195	654	-	-	10/2,864	3,180
Whey	-	-	-	-	-	-	14,540	13,175	-	-	-	-
Casein	-	-	-	-	-	-	3,063	1/	-	-	-	-
	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	1,000 gallons	1,000 gallons
Frozen products: 9/												
Ice cream												
Wholesale	1,075	904	13,467	13,203	1,308	1,227	54,769	53,983	12,942	12,637	1,884	1,835
Retail	419	384	2,684	3,151	10/74	69	7,933	7,796	1,336	1,587	115	117
Total	1,494	1,288	16,151	16,354	10/1,382	1,296	62,702	61,779	14,278	14,224	1,999	1,952
Sherbet, milk	84	71	348	500	10/136	90	1,552	1,933	632	659	49	49
Ice milk	-	-	-	-	10/409	589	-	-	2,975	3,871	14/155	14/215
Other frozen dairy products	9	9	10/25	40	10/67	72	416	412	91	55	16	15
Mellorine	-	-	-	-	-	-	-	-	-	-	-	-
Water ices	2	-	757	810	48	80	3,111	2,877	1,906	1,992	86	74
Ice cream mix	376	433	8,630	8,588	787	643	33,670	33,705	6,752	6,711	10/997	990
All other mix	-	12	196	293	300	520	1,341	1,340	2,100	2,543	49	85

See footnotes on page 22.

Continued

Table 9 - Manufactured dairy products: Production, by specified items, by States, 1953 and 1954 - Continued

Product	Ohio		Oklahoma		Oregon		Pennsylvania		Rhode Island		South Carolina	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	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	1,000 pounds	1,000 pounds
Butter, creamery	65,567	64,314	29,784	30,148	15,728	17,885	10/10,787	13,172	-	-	156	145
Cheese:												
American												
Cheddar	18,592	15,621	7,009	6,713	22,425	23,851	936	598	-	-	-	-
Other varieties, whole milk 2/	8,511	11,199	-	-	1/	994	1/	1/	-	-	-	-
Total, whole milk 3/	27,103	26,820	7,009	6,713	24,356	24,845	1,178	825	-	-	-	-
Part skim	1/	1/	-	-	-	-	1/	1/	-	-	-	-
Swiss, including block	6,232	6,689	-	-	1/	1/	593	556	-	-	-	-
Munster	-	-	-	-	-	-	1/	1/	-	-	-	-
Brick	1/	1/	-	-	-	-	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-	-	-	-	-
All Italian varieties	406	500	-	-	-	-	1,625	1,788	1/	1/	-	-
Cream 4/	1/	1/	1/	1/	-	-	3,383	3,301	-	-	-	-
Neufchatel 5/	-	-	-	-	-	-	2,210	1,859	-	-	-	-
Blue mold	-	-	-	-	1/	1/	1/	1/	-	-	1/	1/
All other varieties	1/	1/	-	-	1/	1/	649	1/	-	-	-	-
Total 6/	7/46,133	7/45,658	7/10,270	7/9,953	7/25,260	7/25,232	7/9,989	7/9,258	1/	1/	1/	1/
Full-skim American type cheese	-	1/	-	-	-	-	1/	1/	-	-	-	-
Cottage cheese												
Curd 8/	10/31,621	37,573	4,783	5,868	5,129	5,614	10/20,703	21,371	-	-	130	189
Creamed 8/	10/40,906	45,846	6,640	8,077	7,604	8,699	10/22,274	23,265	-	-	94	168
Condensed milk:												
Sweetened												
Case goods												
Unskimmed	-	-	-	-	1/	-	-	-	-	-	-	-
Bulk goods												
Skimmed	10,422	7,833	950	1/	1/	1/	25,036	17,142	-	-	-	-
Unskimmed	8,144	7,728	10/1,307	98	-	-	1,839	2,023	-	-	-	-
Unsweetened												
Bulk goods												
Skimmed	46,100	47,793	10/7,901	6,936	1/	2,500	10/32,755	45,688	-	-	-	-
Unskimmed	5,432	6,682	198	985	1/	1/	27,788	27,814	-	-	-	-
Evaporated milk, unsweetened:												
Case goods, unskimmed	223,566	232,840	-	-	1/	1/	1/	1/	-	-	1/	1/
Concentrated skim milk for animal feed	-	-	-	-	-	-	1,889	1,154	-	-	-	-
Condensed or evaporated buttermilk	12,029	11,301	2,277	1,142	-	-	1/	1/	-	-	-	-
Dry milk:												
Whole milk	13,733	15,148	-	-	1/	1/	-	-	-	-	-	-
Nonfat dry milk solids												
Spray process	42,364	50,608	2,013	1,463	7,387	9,625	11,811	19,819	-	-	-	-
Roller process	13,888	12,573	1/	1/	1/	1/	7,822	8,906	-	-	-	-
Total nonfat for human food	56,252	63,181	3,941	3,732	10/8,166	10,502	19,633	28,725	-	-	-	-
Skim milk, for animal feed	417	382	1/	1/	612	950	247	208	-	-	-	-
Buttermilk	2,663	2,478	865	1,266	1/	1/	-	-	-	-	-	-
Whey	-	1/	1/	1/	1/	1/	-	-	-	-	-	-
Casein	-	1/	1/	-	-	-	-	-	-	-	-	-
	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	1,000 gallons	1,000 gallons
Frozen products: 9/												
Ice cream												
Wholesale	10/35,225	34,876	4,614	4,719	10/5,030	4,620	10/62,865	61,098	3,425	3,397	2,502	2,365
Retail	3,227	3,186	611	433	1,030	968	10/8,847	8,439	10/310	338	206	225
Total	10/38,452	38,062	5,225	5,152	10/6,060	5,588	10/71,712	69,537	10/3,735	3,735	2,708	2,590
Sherbet, milk	1,605	1,663	10/402	470	272	278	1,388	1,796	10/152	184	99	122
Ice milk	3,060	4,462	10/1,400	1,776	10/15/1,630	15/1,780	-	-	10/159	224	700	763
Other frozen dairy products	959	631	10/289	172	81	-	-	-	10/12	-	115	60
Mellorine	-	-	2,215	2,927	261	298	-	-	-	-	-	-
Water ices	1,360	1,231	137	185	10/97	99	2,821	2,820	10/148	109	121	136
Ice cream mix	10/21,059	20,485	2,692	2,509	10/3,415	2,865	10/37,129	40,655	1,915	1,902	1,318	1,245
All other mix	3,727	3,778	1,150	1,317	553	1,153	411	627	153	201	311	292

See footnotes on page 22.

Continued

Table 9 - Manufactured dairy products: Production, by specified items, by States, 1953 and 1954 - Continued

Product	South Dakota		Tennessee		Texas		Utah		Vermont		Virginia	
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954
	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	1,000 pounds	1,000 pounds
Butter, creamery	33,131	32,470	14,451	11,692	10/7,288	6,784	5,682	6,088	2,290	2,888	8,700	6,981
Cheese:												
American												
Cheddar	1,944	2,723	10/42,119	37,728	5,504	5,179	10/6,775	6,810	3,680	4,786	1/	1/
Other varieties, whole milk 2/	-	-	1/	1/	-	1/	1/	1/	1/	1/	-	-
Total, whole milk 3/	1,944	2,723	10/42,166	38,316	5,504	5,204	10/7,190	7,662	3,824	5,003	1/	1/
Part skim	-	-	-	-	-	-	-	-	1/	-	-	-
Swiss, including block	-	-	1/	1/	-	-	1/	1/	-	-	-	-
Munster	-	-	1/	1/	-	-	-	-	-	-	-	-
Brick	-	-	1/	1/	-	-	-	-	-	-	-	-
Limburger	-	-	-	-	-	-	-	-	-	-	-	-
All Italian varieties	-	-	-	-	-	-	-	-	1,459	2,695	-	-
Cream 4/	-	-	1/	1/	-	-	-	-	-	-	-	-
Neufchatel 5/	-	-	1/	1/	-	-	-	-	1/	1/	-	-
Blue mold	-	-	-	-	-	-	-	-	-	1/	-	-
All other varieties	-	-	-	-	-	-	-	-	1,008	792	-	-
Total 6/	1,944	2,723	7/ 10/47,325	7/45,483	5,504	7/5,200	7/ 10/11,859	7/12,168	7/6,572	7/8,700	1/	1/
Full-skim American type cheese	-	-	-	1/	-	-	-	-	1/	-	-	-
Cottage cheese												
Curd 8/	1,091	1,251	4,985	5,075	6,168	7,559	3,110	3,505	16,676	15,435	2,517	2,534
Creamed 8/	1,470	1,701	7,139	7,360	11,941	14,358	4,898	5,520	10,318	10,543	10/1,253	1,665
Condensed milk:												
Sweetened												
Case goods												
Unskimmed	-	-	-	-	-	-	-	-	-	-	-	-
Bulk goods												
Skimmed	1/	1/	-	-	523	140	-	-	1,040	1/	2,935	3,682
Unskimmed	-	-	-	-	1/	1/	-	-	1/	1/	1/	1/
Unsweetened												
Bulk goods												
Skimmed	-	-	10/14,869	14,634	22,361	22,781	1,249	746	4,207	4,947	22,565	24,217
Unskimmed	-	-	1/	4,069	1/	-	-	-	1/	1/	1,959	1/
Evaporated milk, unsweetened:												
Case goods, unskimmed	-	-	158,277	168,647	1/	1/	60,994	56,658	-	-	1/	1/
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	1,394	1/	1/	-	-	-	-	-	1/	-	-	-
Dry milk:												
Whole milk	-	-	-	-	-	-	1/	1/	-	-	-	1/
Nonfat dry milk solids												
Spray process	-	-	1/	1/	1/	1,072	7,631	7,374	16,222	15,446	8,721	7,391
Roller process	1/	1/	1/	1/	-	-	-	-	9,681	6,696	1/	1,121
Total nonfat for human food	1/	1/	4,119	2,715	1/	1,072	7,631	7,374	25,903	22,142	9,097	8,512
Skim milk, for animal feed	1/	1/	-	-	1/	-	1/	1/	1/	451	906	319
Buttermilk	1,477	1,473	-	-	1/	-	-	-	-	1/	-	1/
Whey	-	-	-	1/	-	-	1/	1/	-	-	-	-
Casein	-	-	-	-	-	-	-	-	1/	1/	-	-
	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	1,000 gallons	1,000 gallons
Frozen products: 9/												
Ice cream												
Wholesale	2,018	1,918	12,327	12,661	10/19,725	18,086	2,506	2,750	1,315	1,278	10,398	10,160
Retail	262	291	435	433	10/1,040	1,285	338	297	158	145	529	508
Total	2,280	2,209	12,762	13,094	10/20,765	19,371	2,844	3,047	1,473	1,423	10,927	10,668
Sherbet, milk	123	120	594	758	10/1,453	1,776	174	251	110	71	1,706	2,002
Ice milk	390	556	2,540	2,900	10/2,518	1,942	860	957	79	164	-	-
Other frozen dairy products	114	50	85	1/	10/865	581	118	25	42	-	351	255
Mellorine	-	-	-	-	10/12,507	17,635	-	-	-	-	-	-
Water ices	59	111	781	582	10/1,133	1,178	10/227	258	74	48	557	441
Ice cream mix	1,175	1,267	6,813	7,263	10/10,277	10,000	1,491	1,698	1,134	1,090	5,645	5,047
All other mix	216	245	1,275	1,570	10/2,053	2,018	842	902	141	110	1,235	1,124

See footnotes on page 22.

Continued

Table 9 - Manufactured dairy products: Production, by specified items, by States, 1953 and 1954 - Continued

Product	Washington		West Virginia		Wisconsin		Wyoming		United States 16/		Percentage change from 1953 to 1954
	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	
	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	19,201	21,998	941	860	205,716	219,906	2,553	2,247	10/1,412,109	1,448,688	+ 3
Cheese:											
American											
Cheddar	3,247	3,280	1/	1/	449,933	470,157	1/	1/	10/967,007	970,444	0
Other varieties, whole milk 2/	1/	1/	-	-	10,050	10,822	-	-	10/54,049	71,901	+ 33
Total, whole milk 3/	3,502	3,496	1/	1/	459,983	480,979	1/	1/	10/1,021,056	1,042,345	+ 2
Part skim	-	-	-	-	-	-	-	-	1,417	2,378	+ 68
Swiss, including block	-	-	-	-	37,081	38,132	1/	1/	103,780	113,525	+ 9
Munster	-	-	-	-	9,762	11,582	-	-	12,458	15,603	+ 25
Brick	-	-	-	-	16,413	16,182	-	-	24,259	25,274	+ 4
Limburger	-	-	-	-	3,116	2,964	-	-	5,752	5,018	- 13
All Italian varieties	1/	1/	-	-	28,101	28,607	-	-	68,417	71,274	+ 4
Cream 4/	1/	1/	-	-	1/	1/	-	-	71,470	73,412	+ 3
Neufchatel 5/	-	-	-	-	1/	1/	-	-	6,815	5,826	- 15
Blue mold	-	-	-	-	5,434	6,000	-	-	9,554	9,519	0
All other varieties	1/	1/	-	-	5,968	5,236	-	-	19,422	18,950	- 3
Total 6/	7/4,754	7/4,887	1/	1/	7/584,732	7/607,996	1/	1/	10/1,344,400	1,383,104	+ 3
Full-skim American type cheese	-	-	-	-	1/	-	-	-	749	435	- 42
Cottage cheese											
Curd 8/	12,998	13,651	3,008	2,503	27,340	28,121	436	432	10/403,822	433,879	+ 7
Creamed 8/	20,389	21,256	3,402	3,045	34,630	36,578	525	549	10/500,790	535,036	+ 7
Condensed milk:											
Sweetened											
Case goods											
Unskimmed	-	-	-	-	-	-	-	-	41,464	25,229	- 39
Bulk goods											
Skimmed	4,160	3,119	-	-	25,306	21,710	-	-	10/134,265	101,401	- 24
Unskimmed	2,159	2,672	-	-	9,037	10,904	-	-	10/49,457	49,132	- 1
Unsweetened											
Bulk goods											
Skimmed	4,429	4,165	1/	1/	83,581	94,928	-	-	10/581,088	637,491	+ 10
Unskimmed	2,737	3,280	1/	-	18,034	22,319	-	-	10/231,149	235,534	+ 2
Evaporated milk, unsweetened:											
Case goods, unskimmed	10/67,589	67,815	1/	1/	487,915	441,968	-	-	10/2,553,339	2,534,215	- 1
Concentrated skim milk for animal feed	-	-	1/	1/	-	-	-	-	7,129	4,580	- 36
Condensed or evaporated buttermilk	-	-	-	1/	-	-	-	-	10/132,657	123,329	- 7
Dry milk:											
Whole milk	-	1/	-	-	40,816	30,693	-	-	10/104,352	93,874	- 10
Nonfat dry milk solids											
Spray process	8,373	8,933	-	-	306,703	404,840	1/	1/	971,578	1,158,537	+ 19
Roller process	5,437	8,199	-	-	29,259	32,922	-	-	10/242,196	243,837	+ 1
Total nonfat for human food	13,810	17,132	-	-	335,962	437,762	1/	1/	10/1,213,774	1,402,374	+ 16
Skim milk, for animal feed	397	1,001	-	-	4,012	4,967	-	-	19,967	19,020	- 5
Buttermilk	1/	1/	-	-	8,271	9,579	-	-	10/57,424	56,348	- 2
Whey	1/	1/	-	-	75,930	65,628	1/	1/	174,656	175,327	0
Casein	1/	-	-	-	1/	1/	-	-	5,532	5,175	- 6
	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	
Frozen products: 9/											
Ice cream											
Wholesale	7,774	7,980	5,088	4,512	17,139	17,785	510	529	10/549,828	542,373	- 1
Retail	1,483	1,340	292	292	1,592	1,521	216	174	10/55,223	54,626	- 1
Total	9,257	9,320	5,380	4,804	18,731	19,306	726	703	10/605,051	596,999	- 1
Sherbet, milk	391	387	386	367	457	560	33	29	10/31,079	34,048	+ 10
Ice milk	2,397	2,581	982	921	10/863	1,103	126	135	10/64,710	78,742	+ 22
Other frozen dairy products	118	41	106	252	-	-	-	-	10/9,240	5,780	- 37
Mellorine	-	-	-	-	-	-	-	-	10/24,207	31,419	+ 30
Water ices	335	236	416	342	774	815	1/	4	10/26,851	26,514	- 1
Ice cream mix	4,811	4,835	2,614	2,428	11,598	11,317	291	291	10/323,483	324,126	0
All other mix	2,334	2,188	960	884	10/496	966	48	49	10/57,688	65,814	+ 14

1/ Production by States not shown when made by less than 3 plants.
2/ Includes colby, washed curd, high and low moisture jack, Monterey, and granular.
3/ Comparable with data published prior to 1944 under the designation of American Cheddar cheese.
4/ Not less than 33 percent butterfat.
5/ Butterfat content ranging from 20 to 32 percent, inclusive.
6/ Excluding full-skim American and cottage cheese.
7/ Sum of individual varieties does not equal total cheese since the production of some varieties is not shown separately when made by less than 3 plants.
8/ Cottage cheese curd includes cottage, pot, and bakers' cheese with a butterfat content of less than 4 percent made by reporting plants. Creamed cottage cheese includes cheese with a butterfat content of 4 to 19 percent. Cottage cheese curd and creamed cottage cheese should not be added together to get a total cottage cheese figure, for while some of the cottage cheese curd is sold direct for consumption without further processing a considerable part is creamed within the plant or shipped to another plant for creaming prior to sale.
9/ The production for frozen products includes that made by all types of plants for both wholesale and retail.
10/ Revised.
11/ Includes substandard frozen dessert in Iowa.
12/ "Ice milk" total 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 butterfat are "ice milk".
13/ Includes low-fat ice cream in Montana.
14/ Includes imitation ice cream in North Dakota.
15/ Includes substandard ice cream in Oregon.
16/ U. S. totals for some products include production for some States not shown separately in this table.

Table 10 - Butter, creamery: Production, by States, by months, 1954

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Maine	2/	5	2	8	17	25	47	37	29	24	15	7	4	220
Vermont	11	252	163	392	481	713	535	68	53	95	67	35	34	2,888
Massachusetts	5	25	24	30	24	28	34	32	26	32	24	26	26	331
New England 1/	23	282	189	430	522	767	616	137	108	151	106	69	64	3,441
New York	73	3,831	3,939	6,042	5,104	4,298	3,663	2,191	845	1,132	1,557	1,286	1,630	35,518
New Jersey	5	5	3	4	15	7	6	3	2	1	1	1	1	49
Pennsylvania	64	749	702	1,111	1,124	1,933	1,940	1,433	917	895	882	694	792	13,172
Middle Atlantic	142	4,585	4,644	7,157	6,243	6,238	5,609	3,627	1,764	2,028	2,440	1,981	2,423	48,739
Ohio	73	5,442	4,992	5,920	5,799	7,687	6,776	5,408	5,013	5,181	4,550	3,924	3,622	64,314
Indiana	48	3,344	3,513	3,941	3,721	5,041	3,855	3,116	3,167	2,566	2,513	2,383	2,242	39,402
Illinois	74	5,073	5,127	5,978	5,888	6,996	5,789	4,568	4,376	3,600	3,431	3,331	3,445	57,602
Michigan	104	4,017	4,006	5,212	5,056	5,817	5,980	4,947	3,865	3,507	3,354	2,988	3,138	51,887
Wisconsin	235	18,815	18,124	22,042	22,057	24,852	23,972	20,053	15,784	12,836	12,910	12,638	15,823	219,906
East North Central	534	36,691	35,762	43,093	42,521	50,393	46,372	38,092	32,205	27,690	26,758	25,264	28,270	433,111
Minnesota	599	24,091	23,834	28,801	27,877	30,025	30,841	23,430	17,444	14,397	14,079	16,109	21,165	272,093
Iowa	346	14,399	14,444	17,098	17,138	19,920	20,656	17,378	15,683	13,542	12,201	12,391	13,220	188,070
Missouri	50	4,897	4,469	5,198	5,744	7,794	7,363	5,289	4,456	3,782	4,178	4,078	3,630	60,878
North Dakota	96	3,075	3,730	4,397	4,685	5,297	6,348	5,861	4,736	3,636	3,068	2,637	3,132	50,602
South Dakota	73	2,266	2,448	2,863	2,978	3,470	3,954	3,385	2,936	2,295	1,963	1,804	2,108	32,470
Nebraska	66	6,040	5,900	6,969	7,249	8,616	8,727	7,388	6,708	5,705	4,837	4,627	5,432	78,198
Kansas	44	4,243	4,248	4,733	4,444	5,329	4,766	3,190	3,052	2,702	2,665	3,299	3,532	46,205
West North Central	1,274	59,011	59,073	70,059	70,115	80,451	82,655	65,921	55,015	46,059	42,991	44,945	52,219	728,514
Maryland	5	245	468	505	232	442	342	310	319	314	255	202	168	3,802
Virginia	30	464	401	476	542	827	763	753	773	722	556	377	327	6,981
West Virginia	7	75	89	104	127	121	24	29	27	25	17	14	8	660
North Carolina	11	322	249	227	264	330	196	122	249	103	83	205	232	2,582
South Carolina	5	10	10	11	16	15	14	13	12	13	12	11	8	145
Georgia	2/	60	38	42	56	24	27	40	26	15	13	30	28	399
South Atlantic 1/	63	1,184	1,260	1,367	1,243	1,762	1,367	1,268	1,408	1,193	937	840	771	14,600
Kentucky	20	1,056	1,101	1,098	1,255	2,106	1,742	1,579	1,880	1,530	1,464	1,377	1,009	17,197
Tennessee	19	905	814	922	821	1,583	1,205	822	994	673	960	1,137	856	11,692
Mississippi	7	518	490	478	612	968	532	334	288	124	232	489	505	5,570
Arkansas	6	344	284	247	302	507	381	269	250	194	216	305	324	3,623
Louisiana	5	31	31	28	39	30	17	11	19	16	30	42	29	323
Oklahoma	35	2,370	2,501	2,984	3,149	3,969	3,541	2,450	2,109	1,588	1,739	1,888	1,860	30,148
Texas	39	623	800	736	816	876	589	406	338	276	297	473	554	6,784
South Central 1/	134	5,850	6,024	6,496	6,997	10,043	8,010	5,875	5,881	4,405	4,941	5,714	5,140	75,376
Montana	58	449	416	469	524	672	831	712	577	518	486	374	377	6,405
Idaho	33	2,268	2,293	2,658	2,632	3,168	3,182	2,806	2,859	2,675	2,551	2,437	2,550	32,079
Wyoming	17	165	219	247	200	220	255	184	180	149	124	133	171	2,247
Colorado	28	1,316	1,304	1,490	1,308	1,730	1,798	1,623	1,482	1,212	1,029	969	1,265	16,526
New Mexico	5	65	59	69	69	81	79	71	67	64	54	50	49	777
Utah	13	564	532	601	615	661	600	512	402	383	411	372	435	6,088
Nevada	2/	48	46	44	45	56	52	44	41	42	42	49	48	557
Mountain 1/	160	4,935	4,919	5,673	5,457	6,643	6,845	5,960	5,624	5,048	4,704	4,403	4,926	65,137
Washington	66	1,282	1,250	1,504	1,685	2,471	2,552	2,299	2,025	1,974	2,052	1,488	1,416	21,998
Oregon	41	1,094	1,006	1,394	1,700	2,112	2,113	1,936	1,617	1,461	1,336	1,073	1,043	17,885
California	38	3,331	3,095	4,974	4,381	4,051	3,507	2,982	3,126	2,250	2,593	2,572	3,025	39,887
Pacific	145	5,707	5,351	7,872	7,766	8,634	8,172	7,217	6,768	5,685	5,981	5,133	5,484	79,770
UNITED STATES	2,475	118,245	117,222	142,147	140,864	164,931	159,646	128,097	108,773	92,259	88,858	88,349	99,297	1,448,688

1/ Regional totals include production for some States not shown separately.
Production omitted for States in which less than 3 plants reported.
2/ Either 3 or 4 plants reporting.

Table 11 - Cheese, Cheddar, made from whole milk: Production, by States, by months, 1954

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	5	34	141	375	690	899	827	648	604	465	75	27	1	4,786
New England	5	34	141	375	690	899	827	648	604	465	75	27	1	4,786
New York	58	801	1,278	3,049	5,525	7,998	7,786	3,043	623	528	674	482	509	32,296
Pennsylvania	5	49	63	60	46	155	61	40	44	30	19	17	14	598
Middle Atlantic 1/	64	850	1,341	3,109	5,571	8,156	7,853	3,083	667	558	693	499	523	32,903
Ohio	11	1,493	1,683	1,618	1,246	2,435	2,019	1,197	1,169	1,014	689	636	422	15,621
Indiana	17	1,413	1,615	1,674	1,745	2,587	2,159	1,967	2,128	1,475	995	1,153	830	19,741
Illinois	75	3,909	3,603	4,505	4,456	6,047	5,618	4,727	4,433	3,834	3,081	2,768	2,610	49,591
Michigan	27	1,033	1,111	1,997	1,890	2,175	2,959	2,609	2,147	1,859	1,359	1,005	1,163	21,307
Wisconsin	841	35,730	35,338	43,788	45,659	52,376	55,542	46,787	39,193	31,118	28,019	26,537	30,070	470,157
East North Central	971	43,578	43,350	53,582	54,996	65,620	68,297	57,287	49,070	39,300	34,143	32,099	35,095	576,417
Minnesota	40	6,603	6,370	7,407	7,055	7,533	7,085	4,938	3,277	2,506	2,808	3,329	4,413	63,324
Iowa	36	1,550	1,521	1,809	1,891	2,355	2,256	2,028	1,752	1,534	1,301	1,382	1,575	20,954
Missouri	43	5,817	5,831	7,240	8,900	11,886	10,209	8,125	7,005	5,978	5,524	5,343	5,227	87,085
South Dakota	5	214	220	275	276	315	327	244	197	133	135	159	228	2,723
Nebraska	2/	41	33	34	34	35	27	35	33	25	20	19	20	356
Kansas	17	1,122	1,188	1,308	1,299	1,657	1,334	960	894	735	770	881	1,064	13,212
West North Central	144	15,347	15,163	18,073	19,455	23,781	21,238	16,330	13,158	10,911	10,558	11,113	12,527	187,654
Georgia	2/	37	41	56	95	127	100	68	78	46	40	23	37	748
South Atlantic 1/	9	163	141	269	517	539	477	378	421	358	305	191	178	3,937
Kentucky	17	1,386	1,857	2,031	2,153	3,623	3,183	2,986	3,349	2,629	2,619	1,899	1,366	29,081
Tennessee	24	1,998	2,364	2,467	3,416	4,823	4,569	4,122	4,208	2,917	2,724	2,278	1,842	37,728
Alabama	2/	163	177	272	418	422	351	284	244	144	133	108	98	2,814
Mississippi	12	1,026	1,063	1,077	1,486	2,013	1,576	1,273	1,098	534	495	458	542	12,641
Arkansas	9	911	995	1,354	1,494	1,930	1,627	1,244	953	693	649	572	506	12,928
Louisiana	2/	16	51	44	56	64	37	37	6	-	-	10	45	366
Oklahoma	6	539	644	643	754	1,047	765	456	390	256	324	454	441	6,713
Texas	7	360	546	812	935	773	464	310	228	183	176	153	239	5,179
South Central	82	6,399	7,697	8,700	10,712	14,695	12,572	10,712	10,476	7,356	7,120	5,932	5,079	107,450
Montana	6	279	247	311	366	532	589	533	427	392	319	231	246	4,472
Idaho	20	861	869	1,196	1,284	1,872	1,864	1,480	1,232	847	843	888	894	14,130
Colorado	5	291	271	262	285	338	298	119	106	68	48	157	185	2,428
Utah	19	596	595	660	569	617	632	612	565	508	508	470	478	6,810
Mountain 1/	51	2,070	2,024	2,478	2,560	3,423	3,463	2,803	2,377	1,850	1,747	1,774	1,837	28,406
Washington	5	230	221	198	212	331	373	370	345	264	265	247	224	3,280
Oregon	24	806	944	1,607	2,366	3,256	3,272	3,148	2,624	2,088	1,742	1,151	847	23,851
California	7	50	52	130	227	295	276	245	126	107	104	65	83	1,760
Pacific	36	1,086	1,217	1,935	2,805	3,882	3,921	3,763	3,095	2,459	2,111	1,463	1,154	28,891
UNITED STATES	1,362	69,527	71,074	88,521	97,306	120,995	118,648	95,004	79,868	63,257	56,752	53,098	56,394	970,444

1/ Regional totals include production for some States not shown separately.
Production omitted for States in which less than 3 plants reported.
2/ Either 3 or 4 plants reporting.

Table 12 - Cheese, total American, made from whole milk: Production, by States, by months, 1954 1/

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	6	45	152	389	706	918	848	666	620	520	88	38	13	5,003
New England	6	45	152	389	706	918	848	666	620	520	88	38	13	5,003
New York	67	959	1,461	3,217	5,798	8,846	8,749	3,490	963	825	949	621	734	36,612
Pennsylvania	6	60	74	76	66	189	95	66	67	43	33	27	24	825
Middle Atlantic 2/	74	1,019	1,535	3,293	5,864	9,038	8,850	3,556	1,030	873	982	648	758	37,446
Ohio	13	2,035	2,364	2,334	2,134	3,782	3,145	2,288	2,189	1,997	1,668	1,530	1,354	26,820
Indiana	19	1,892	2,208	2,283	2,285	3,355	3,033	2,786	2,873	2,261	1,689	1,698	1,397	27,760
Illinois	76	4,013	3,708	4,643	4,825	6,414	5,849	4,943	4,630	4,018	3,237	2,942	3,057	52,279
Michigan	36	1,743	1,723	2,439	2,788	3,445	4,214	3,476	3,120	2,687	2,085	1,683	1,784	31,187
Wisconsin	849	36,613	36,052	44,449	46,623	53,655	56,937	47,667	39,886	31,871	2[illegible],941	27,451	30,834	480,979
East North Central	993	46,296	46,055	56,148	58,655	70,651	73,178	61,160	52,698	42,834	37,620	35,304	38,426	619,025
Minnesota	40	6,603	6,370	7,407	7,055	7,533	7,085	4,938	3,277	2,506	2,808	3,329	4,413	63,324
Iowa	37	1,638	1,598	1,902	1,982	2,466	2,368	2,102	1,848	1,610	1,398	1,478	1,709	22,099
Missouri	43	5,895	5,848	7,240	8,925	11,986	10,242	8,176	7,032	6,045	5,598	5,431	5,311	87,729
South Dakota	5	214	220	275	276	315	327	244	197	133	135	159	228	2,723
Nebraska	3/	43	35	43	45	49	48	38	38	31	27	24	28	449
Kansas	17	1,122	1,188	1,308	1,299	1,657	1,334	960	894	735	770	881	1,064	13,212
West North Central	145	15,515	15,259	18,175	19,582	24,005	21,404	16,458	13,286	11,060	10,736	11,302	12,753	189,536
Georgia	3/	37	41	56	95	127	100	68	78	46	40	23	37	748
South Atlantic 2/	9	163	141	269	517	539	477	378	421	358	305	191	178	3,937
Kentucky	17	1,617	1,978	2,031	2,631	4,470	3,952	3,690	3,978	2,992	2,621	1,899	1,366	33,225
Tennessee	24	2,006	2,364	2,477	3,554	5,033	4,717	4,134	4,208	2,979	2,724	2,278	1,842	38,316
Alabama	3/	163	177	272	420	483	392	345	325	208	181	138	142	3,246
Mississippi	12	1,026	1,237	1,225	1,835	2,412	1,901	1,549	1,349	850	779	691	879	15,733
Arkansas	9	911	995	1,354	1,511	1,932	1,641	1,260	975	711	663	603	512	13,068
Louisiana	3/	16	51	44	56	64	37	37	6	-	-	10	45	366
Oklahoma	6	539	644	643	754	1,047	765	456	390	256	324	454	441	6,713
Texas	7	370	561	812	935	773	464	310	228	183	176	153	239	5,204
South Central	82	6,648	8,007	8,858	11,696	16,214	13,869	11,781	11,459	8,179	7,468	6,226	5,466	115,871
Montana	6	279	247	311	366	532	589	533	427	392	319	231	246	4,472
Idaho	20	1,427	1,600	1,966	2,204	2,554	2,430	2,321	1,881	1,685	1,518	1,405	1,464	22,455
Colorado	5	291	271	262	287	343	298	121	107	69	51	159	189	2,448
Utah	20	676	640	730	648	708	729	676	649	583	582	519	522	7,662
Mountain 2/	52	2,716	2,800	3,318	3,561	4,201	4,126	3,710	3,111	2,764	2,499	2,342	2,455	37,603
Washington	5	248	244	215	237	358	384	390	357	264	278	260	241	3,496
Oregon	24	806	944	1,621	2,469	3,360	3,390	3,256	2,719	2,217	1,856	1,260	947	24,845
California	16	259	286	464	656	719	648	633	489	406	364	330	329	5,583
Pacific	45	1,313	1,474	2,300	3,362	4,437	4,422	4,279	3,565	2,907	2,498	1,850	1,517	33,924
UNITED STATES	1,406	73,715	75,423	92,750	103,943	130,004	127,174	101,988	86,190	69,495	62,196	57,901	61,566	1,042,345

1/ Includes cheddar, colby, washed or stirred curd, high and low moisture jack, Monterey, and granular.
2/ Regional totals include production for some States not shown separately.
Production omitted for States in which less than 3 plants reporting.
3/ Either 3 or 4 plants reporting.

Table 13 - Cheese, total, excluding full-skim American and cottage: Production, by States, by months, 1954

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	10	277	393	764	1,173	1,310	1,132	925	914	778	351	328	355	8,700
Massachusetts	8	221	226	266	303	255	203	172	183	204	204	260	320	2,817
New England 1/	22	574	692	1,136	1,596	1,689	1,490	1,184	1,167	1,065	623	633	722	12,571
New York	122	6,079	6,352	8,952	11,536	13,968	13,678	7,955	5,410	5,940	6,088	5,864	6,801	98,623
New Jersey	9	248	286	342	401	298	245	255	264	291	284	308	314	3,536
Pennsylvania	21	737	782	911	879	908	760	674	690	691	710	714	802	9,258
Middle Atlantic	152	7,064	7,420	10,205	12,816	15,174	14,683	8,884	6,364	6,922	7,082	6,886	7,917	111,417
Ohio	40	3,680	3,603	4,073	3,841	5,451	4,821	3,835	3,731	3,528	3,151	2,977	2,967	45,658
Indiana	21	2,788	3,051	3,105	3,385	4,822	4,206	3,768	4,018	3,131	2,630	2,518	2,360	39,782
Illinois	105	6,696	6,615	7,897	8,271	10,632	9,779	8,699	8,338	7,310	6,525	5,893	6,455	93,110
Michigan	41	1,928	1,895	2,656	3,006	3,736	4,563	3,853	3,337	2,873	2,293	1,913	2,033	34,086
Wisconsin	1,078	46,716	45,135	54,776	58,474	66,859	69,823	58,395	49,379	41,138	38,652	37,278	41,371	607,996
East North Central	1,285	61,808	60,299	72,507	76,977	91,500	93,192	78,550	68,803	57,980	53,251	50,579	55,186	820,632
Minnesota	45	8,350	7,955	9,153	8,713	9,263	8,707	6,564	4,899	3,818	3,931	4,879	6,064	82,296
Iowa	40	1,734	1,689	2,007	2,074	2,572	2,468	2,181	1,923	1,660	1,443	1,526	1,758	23,035
Missouri	45	5,901	5,854	7,247	8,931	11,992	10,246	8,180	7,038	6,054	5,608	5,442	5,322	87,815
South Dakota	5	214	220	275	276	315	327	244	197	133	135	159	228	2,723
Nebraska	2/	43	35	43	45	49	48	38	38	31	27	26	35	458
Kansas	17	1,122	1,188	1,308	1,299	1,657	1,334	960	894	735	770	881	1,064	13,212
West North Central	156	17,364	16,941	20,033	21,338	25,848	23,130	18,167	14,989	12,431	11,914	12,913	14,471	209,539
Georgia	2/	37	41	56	95	127	100	68	78	46	40	23	37	748
South Atlantic 1/	10	164	141	269	517	540	478	381	422	359	305	192	179	3,947
Kentucky	19	1,622	1,981	2,037	2,636	4,477	3,958	3,700	4,005	3,046	2,681	1,958	1,411	33,512
Tennessee	24	2,557	2,846	3,029	4,177	5,718	5,309	4,816	4,812	3,654	3,336	2,817	2,412	45,483
Alabama	2/	163	177	272	420	483	392	345	325	208	181	138	142	3,246
Mississippi	12	1,026	1,237	1,225	1,835	2,412	1,901	1,549	1,349	850	779	691	879	15,733
Arkansas	9	1,131	1,119	1,354	1,801	2,270	1,978	1,581	1,374	1,099	1,045	969	891	16,612
Louisiana	2/	16	51	44	56	64	37	37	6	-	-	10	45	366
Oklahoma	6	806	892	869	1,071	1,340	1,071	721	629	445	506	805	798	9,953
Texas	7	370	561	812	935	773	464	310	228	183	176	153	239	5,204
South Central	84	7,691	8,864	9,642	12,931	17,537	15,110	13,059	12,728	9,485	8,704	7,541	6,817	130,109
Montana	6	279	247	311	366	532	589	533	427	392	319	231	246	4,472
Idaho	23	1,911	1,921	2,214	2,436	3,012	2,997	2,712	2,459	2,171	2,017	1,883	1,989	27,722
Colorado	5	298	273	268	295	346	301	127	112	72	55	163	208	2,518
Utah	20	1,085	1,070	1,065	1,005	1,160	1,167	1,079	1,014	893	882	839	909	12,168
Mountain 1/	57	3,759	3,567	3,921	4,284	5,302	5,392	4,704	4,267	3,741	3,463	3,285	3,523	49,208
Washington	8	368	409	367	297	480	494	504	467	379	393	361	368	4,887
Oregon	25	812	945	1,648	2,517	3,433	3,456	3,317	2,772	2,243	1,859	1,266	964	25,232
California	30	1,059	1,029	1,323	1,475	1,505	1,440	1,353	1,324	1,172	1,220	1,334	1,328	15,562
Pacific	63	2,239	2,383	3,338	4,289	5,418	5,390	5,174	4,563	3,794	3,472	2,961	2,660	45,681
UNITED STATES	1,829	100,663	100,307	121,051	134,748	163,008	158,865	130,103	113,303	95,777	88,814	84,990	91,475	1,383,104

1/ Regional totals include production for some States not shown separately.
Production omitted for States in which less than 3 plants reported.
2/ Either 3 or 4 plants reporting.

Table 14 - Cheese, cottage. curd: Production, by States, by months, 1954 1/

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Maine	9	376	403	488	470	518	506	464	502	425	439	386	369	5,346
New Hampshire	5	12	12	16	16	17	16	17	16	15	15	14	12	178
Vermont	11	1,116	1,080	1,445	1,339	1,639	1,634	1,281	1,155	1,134	1,292	1,139	1,181	15,435
Massachusetts	11	63	67	101	85	96	108	70	80	72	70	62	66	938
Connecticut	17	348	403	569	496	588	392	209	207	199	269	245	266	4,191
New England	53	1,915	1,965	2,619	2,404	2,858	2,656	2,041	1,960	1,845	2,085	1,846	1,894	26,088
New York	148	4,087	4,318	5,740	5,536	6,140	5,934	5,232	4,821	4,183	4,436	4,102	4,228	58,757
New Jersey	28	223	283	298	282	260	260	243	211	170	173	181	222	2,806
Pennsylvania	123	1,585	1,667	2,227	1,902	1,946	1,916	1,752	1,722	1,647	1,779	1,664	1,564	21,371
Middle Atlantic	299	5,895	6,268	8,265	7,720	8,346	8,110	7,227	6,754	6,000	6,388	5,947	6,014	82,934
Ohio	250	2,792	2,869	3,935	3,509	3,425	3,422	3,317	2,964	2,851	2,914	2,853	2,722	37,573
Indiana	62	804	835	1,031	1,028	957	981	1,014	914	916	925	879	870	11,154
Illinois	117	1,811	1,862	2,326	2,224	2,216	2,262	2,243	2,035	2,018	2,130	2,082	2,024	25,233
Michigan	129	2,199	2,188	2,845	2,597	2,577	2,652	2,661	2,438	2,281	2,411	2,352	2,331	29,532
Wisconsin	119	2,163	2,190	2,740	2,462	2,457	2,558	2,398	2,418	2,242	2,244	2,172	2,077	28,121
East North Central	677	9,769	9,944	12,877	11,820	11,632	11,875	11,633	10,769	10,308	10,624	10,338	10,024	131,613
Minnesota	33	697	740	952	899	866	867	862	774	815	789	699	656	9,616
Iowa	45	655	616	795	824	714	791	621	525	550	540	568	526	7,725
Missouri	52	1,093	1,204	1,603	1,455	1,371	1,371	1,506	1,426	1,393	1,334	1,240	1,206	16,202
North Dakota	2/	19	21	30	31	34	33	30	24	17	16	15	19	289
South Dakota	8	85	91	112	111	109	115	128	113	107	97	91	92	1,251
Nebraska	20	298	330	393	372	365	359	388	314	334	315	325	309	4,102
Kansas	61	593	640	815	776	737	752	776	664	659	625	622	621	8,280
West North Central	223	3,440	3,642	4,700	4,468	4,196	4,288	4,311	3,840	3,875	3,716	3,560	3,429	47,465
District of Columbia	2/	138	149	199	243	171	194	202	154	164	171	158	145	2,088
Delaware	6	7	6	10	10	8	8	5	5	4	5	4	4	76
Maryland	16	405	448	633	559	551	553	545	487	457	469	432	389	5,928
Virginia	22	178	197	256	244	225	232	217	211	204	213	186	171	2,534
West Virginia	36	183	186	231	230	230	237	236	198	193	205	188	186	2,503
North Carolina	29	172	172	259	247	224	235	241	226	221	198	182	163	2,540
South Carolina	2/	13	11	25	14	15	26	23	16	15	11	11	9	189
Georgia	9	58	62	81	77	73	80	81	77	74	72	62	53	848
Florida	12	163	204	240	209	191	201	121	127	110	132	134	152	1,984
South Atlantic	137	1,315	1,435	1,934	1,833	1,688	1,766	1,671	1,501	1,442	1,476	1,357	1,272	18,690
Kentucky	50	441	483	679	593	579	621	581	512	508	516	482	453	6,448
Tennessee	27	346	419	492	478	451	471	477	436	407	419	348	331	5,075
Alabama	7	45	50	75	62	55	64	56	52	41	42	34	30	606
Mississippi	9	28	33	44	43	36	37	49	49	38	34	28	25	444
Arkansas	6	53	58	62	62	57	65	78	63	70	59	49	51	727
Louisiana	9	97	101	130	134	124	126	127	124	122	107	86	82	1,360
Oklahoma	32	376	411	522	555	512	536	589	537	512	463	434	421	5,868
Texas	25	554	596	783	751	691	693	703	623	642	580	497	446	7,559
South Central	165	1,940	2,151	2,787	2,678	2,505	2,613	2,660	2,396	2,340	2,220	1,958	1,859	28,087
Montana	17	71	78	95	101	94	94	102	88	85	76	79	78	1,041
Idaho	13	83	88	119	121	112	134	133	122	107	96	89	85	1,289
Wyoming	12	32	33	35	38	34	42	44	37	37	33	33	34	432
Colorado	39	364	375	476	446	439	455	399	366	302	337	366	369	4,714
New Mexico	7	85	76	115	123	120	118	105	106	99	99	92	83	1,221
Arizona	5	122	128	148	151	134	130	136	140	137	127	114	110	1,575
Utah	11	233	236	330	309	288	276	339	326	299	315	290	264	3,505
Nevada	2/	3	3	4	4	6	6	7	6	5	5	4	4	57
Mountain	107	1,013	1,015	1,322	1,293	1,227	1,255	1,265	1,191	1,071	1,088	1,067	1,027	13,834
Washington	36	1,032	1,022	1,308	1,254	1,275	1,184	1,192	1,166	1,078	1,083	1,040	1,017	13,651
Oregon	17	391	405	542	518	528	498	493	479	430	458	459	413	5,614
California	62	5,083	4,934	6,041	5,693	5,805	5,683	5,973	5,710	5,360	5,562	5,213	4,846	65,903
Pacific	115	6,506	6,361	7,891	7,465	7,608	7,365	7,658	7,355	6,868	7,103	6,712	6,276	85,168
UNITED STATES	1,776	31,793	32,781	42,395	39,681	40,060	39,928	38,466	35,766	33,749	34,700	32,785	31,775	433,879

1/ Cottage cheese curd includes cottage, pot, and bakers' cheese with a butterfat content of less than 4 percent made by reporting plants. Creamed cottage cheese includes cheese with a butterfat content of 4 to 19 percent. Cottage cheese curd and creamed cottage cheese should not be added together to get a total cottage cheese figure, for while some of the cottage cheese curd is sold direct for consumption without further processing, a considerable part is creamed within the plant or shipped to another plant for creaming prior to sale.

2/ Either 3 or 4 plants reporting.

Table 15 - Cheese, cottage, creamed: Production, by States, by months, 1954

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Maine	7	76	79	95	92	95	92	102	102	78	96	92	88	1,087
New Hampshire	6	13	13	16	16	17	16	17	16	16	15	14	13	182
Vermont	9	785	819	1,036	989	1,013	1,009	964	864	780	821	766	747	10,543
Massachusetts	13	425	442	540	475	423	450	474	485	381	399	392	373	5,259
Connecticut	18	153	183	274	222	212	211	212	181	173	174	161	148	2,304
New England	53	1,452	1,536	1,961	1,744	1,760	1,778	1,769	1,648	1,428	1,505	1,425	1,369	19,375
New York	63	4,083	4,451	5,838	5,371	5,301	5,521	5,408	5,034	4,310	4,609	4,297	4,233	58,436
New Jersey	32	293	310	522	425	369	419	355	309	326	312	284	255	4,179
Pennsylvania	111	1,719	1,811	2,380	2,054	2,092	2,085	2,017	1,879	1,728	1,886	1,845	1,769	23,265
Middle Atlantic	206	6,095	6,552	8,740	7,850	7,762	8,025	7,780	7,222	6,364	6,807	6,426	6,257	85,880
Ohio	263	3,384	3,443	4,750	4,355	4,068	4,176	4,058	3,597	3,496	3,592	3,534	3,393	45,846
Indiana	74	1,166	1,190	1,462	1,514	1,439	1,481	1,512	1,351	1,368	1,350	1,285	1,292	16,410
Illinois	118	2,092	2,155	2,729	2,607	2,537	2,586	2,557	2,339	2,302	2,413	2,322	2,258	28,897
Michigan	139	3,228	3,136	4,085	3,769	3,750	3,882	3,837	3,486	3,279	3,518	3,402	3,370	42,742
Wisconsin	108	2,696	2,852	3,697	3,233	3,202	3,501	3,139	2,963	2,911	2,912	2,811	2,661	36,578
East North Central	702	12,566	12,776	16,723	15,478	14,996	15,626	15,103	13,736	13,356	13,785	13,354	12,974	170,473
Minnesota	30	893	949	1,205	1,148	1,133	1,115	1,097	932	962	826	826	760	11,846
Iowa	48	554	576	729	720	719	718	737	629	661	642	657	619	7,961
Missouri	54	1,367	1,438	1,893	1,756	1,587	1,682	1,747	1,541	1,507	1,479	1,409	1,452	18,858
North Dakota	6	35	37	54	56	60	57	54	42	31	30	28	34	518
South Dakota	7	112	120	151	150	145	155	169	151	143	136	136	133	1,701
Nebraska	22	420	416	556	533	511	520	537	451	464	441	448	429	5,726
Kansas	62	772	805	1,026	976	935	976	991	853	837	850	823	816	10,660
West North Central	229	4,153	4,341	5,614	5,339	5,090	5,223	5,332	4,599	4,605	4,404	4,327	4,243	57,270
District of Columbia	1/	209	214	281	281	256	281	219	230	234	253	227	218	2,903
Delaware	1/	3	3	5	4	4	4	4	3	3	2	4	3	42
Maryland	15	495	552	798	702	664	687	679	626	579	588	545	497	7,412
Virginia	16	102	129	170	158	144	162	148	136	137	145	125	109	1,665
West Virginia	36	240	235	283	288	280	276	281	226	235	249	229	225	3,045
North Carolina	29	182	190	284	262	223	264	267	239	252	223	205	190	2,781
South Carolina	1/	12	9	22	12	13	23	21	15	13	10	10	8	168
Georgia	10	70	70	97	89	84	94	95	90	89	86	72	59	995
Florida	14	207	225	286	270	233	233	167	186	172	187	188	200	2,554
South Atlantic	130	1,520	1,625	2,226	2,066	1,901	2,024	1,881	1,751	1,714	1,743	1,605	1,509	21,565
Kentucky	55	631	705	990	883	791	914	873	745	757	751	711	658	9,409
Tennessee	30	498	600	714	694	655	689	696	639	591	606	505	473	7,360
Alabama	8	35	38	58	50	45	50	42	39	35	41	32	29	494
Mississippi	10	24	26	39	37	36	35	44	42	35	36	26	20	400
Arkansas	7	58	61	62	85	64	62	64	59	57	57	56	48	733
Louisiana	12	184	185	261	255	228	231	234	232	222	209	174	158	2,573
Oklahoma	33	524	572	741	770	698	751	831	715	688	622	598	567	8,077
Texas	39	991	1,068	1,443	1,376	1,279	1,286	1,340	1,271	1,225	1,144	1,007	928	14,358
South Central	194	2,945	3,255	4,308	4,150	3,796	4,018	4,124	3,742	3,610	3,466	3,109	2,881	43,404
Montana	17	96	101	111	135	121	113	112	99	94	87	99	97	1,265
Idaho	13	123	131	174	178	180	187	175	172	150	140	118	129	1,857
Wyoming	15	37	39	44	48	44	63	57	48	46	42	44	37	549
Colorado	44	467	477	602	544	516	543	471	465	413	412	410	421	5,741
New Mexico	8	122	112	200	175	169	167	159	155	143	143	133	123	1,801
Arizona	5	181	187	217	223	197	196	197	203	201	186	172	163	2,323
Utah	11	374	371	506	510	471	457	512	491	460	482	448	438	5,520
Nevada	1/	4	4	6	7	9	9	11	9	8	7	6	6	86
Mountain	116	1,404	1,422	1,860	1,820	1,707	1,735	1,694	1,642	1,515	1,499	1,430	1,414	19,142
Washington	39	1,586	1,581	1,949	1,899	2,007	1,918	1,874	1,818	1,700	1,704	1,649	1,571	21,256
Oregon	18	611	647	818	808	777	727	748	727	689	708	730	709	8,699
California	60	6,868	6,722	8,099	8,009	7,639	7,465	7,991	7,314	7,238	7,176	6,833	6,618	87,972
Pacific	117	9,065	8,950	10,866	10,716	10,423	10,110	10,613	9,859	9,627	9,588	9,212	8,898	117,927
UNITED STATES	1,747	39,200	40,457	52,298	49,163	47,435	48,539	48,296	44,199	42,219	42,797	40,888	39,545	535,036

1/ Either 3 or 4 plants reporting.

Table 16 - Condensed milk, whole, unsweetened, bulk goods: Production, by States, by months, 1954

State	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Connecticut	1/	314	173	213	273	765	463	-	-	4	11	4	3	2,223
New York	23	4,712	4,218	6,222	4,095	4,539	5,452	8,679	8,499	6,399	6,413	5,237	5,503	69,968
Pennsylvania	15	1,506	1,903	2,320	2,875	3,457	3,363	3,097	2,412	2,040	1,790	1,378	1,673	27,814
Ohio	8	158	131	298	713	314	248	141	126	485	1,521	1,389	1,158	6,682
Indiana	5	1,196	1,050	1,165	1,222	1,319	1,274	1,513	1,286	1,214	1,253	1,148	1,256	14,696
Illinois	1/	122	190	213	276	212	321	124	107	86	40	33	10	1,734
Michigan	6	581	821	719	885	860	1,097	983	823	698	652	557	530	9,006
Wisconsin	10	1,284	1,578	1,647	1,725	1,891	1,886	2,130	2,011	1,767	2,188	2,045	2,167	22,319
Missouri	1/	181	226	229	290	309	327	397	359	344	215	111	104	3,092
Maryland	5	1,329	1,314	1,600	1,849	2,041	1,975	1,521	1,397	1,262	797	701	728	16,514
North Carolina	6	371	401	539	688	750	801	415	259	223	198	180	195	4,998
Tennessee	1/	164	209	299	384	418	498	462	444	387	328	267	209	4,069
Mississippi	1/	115	204	282	365	330	395	254	288	85	80	49	100	2,527
Oklahoma	5	64	71	88	99	84	99	121	109	82	65	47	56	985
Washington	1/	176	130	184	217	386	375	489	452	259	249	198	165	3,280
California	7	1,461	1,369	1,414	1,488	1,574	1,715	2,418	2,375	1,939	1,626	1,296	1,167	19,842
All other States	19	1,349	1,539	2,007	2,087	2,659	2,915	2,958	2,863	2,066	1,936	1,729	1,677	25,785
UNITED STATES	129	15,083	15,327	19,419	19,529	21,908	23,204	25,502	23,790	19,340	19,362	16,369	16,701	235,534

1/ Either 3 or 4 plants reporting.

Table 17 - Condensed milk, skim, unsweetened, bulk goods: Production, by States, by months, 1954

State	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Maine	1/	309	426	481	529	620	744	674	639	399	324	156	292	5,593
Vermont	5	151	156	217	193	251	524	711	971	412	537	513	331	4,947
Connecticut	1/	16	22	60	28	112	41	17	21	15	17	12	11	372
New York	33	2,527	2,833	4,189	5,971	6,887	7,957	6,314	6,757	5,102	4,584	3,570	3,755	60,426
New Jersey	1/	-	-	7	-	28	15	-	6	5	2	2	2	67
Pennsylvania	31	1,771	2,604	3,689	4,731	6,171	5,300	4,806	4,425	3,495	3,220	2,720	2,756	45,688
Ohio	33	2,715	3,133	3,991	3,941	6,155	6,320	5,356	4,367	3,608	3,021	2,352	2,834	47,793
Indiana	14	744	711	887	913	1,193	1,684	1,463	1,751	1,552	1,155	903	931	13,887
Illinois	16	1,575	1,842	2,344	2,623	2,864	3,237	3,400	3,008	2,594	1,814	1,610	1,660	28,571
Michigan	20	1,355	1,551	2,157	2,594	3,009	3,572	3,476	3,343	2,652	2,404	2,115	2,469	30,697
Wisconsin	33	7,978	7,411	8,021	8,290	9,325	9,856	7,872	7,276	7,500	7,078	7,655	6,666	94,928
Minnesota	9	492	614	701	696	657	999	1,032	969	808	739	811	700	9,218
Iowa	11	945	953	1,110	1,137	1,360	1,391	1,467	1,112	791	667	611	820	12,364
Missouri	11	1,937	1,927	2,375	2,131	1,328	2,632	3,296	2,808	2,166	1,928	1,399	1,232	25,159
Nebraska	1/	2,371	2,487	2,186	2,411	3,256	2,342	884	672	265	173	381	1,039	18,467
Kansas	11	2,009	1,996	2,177	3,031	3,108	3,604	4,040	3,445	3,337	2,890	2,562	2,513	34,712
Maryland	6	1,031	1,025	1,150	1,106	1,231	1,044	980	1,264	1,180	1,103	884	972	12,970
Virginia	11	1,336	1,520	1,345	1,436	1,449	2,056	2,906	2,976	3,057	2,700	1,909	1,527	24,217
North Carolina	5	76	119	225	150	186	284	240	348	238	341	161	361	2,727
Georgia	1/	7	21	39	62	58	34	50	49	57	46	41	33	497
Kentucky	7	118	170	210	254	300	305	234	221	183	150	106	145	2,396
Tennessee	8	1,081	1,023	1,028	1,192	1,215	1,603	1,623	1,678	1,361	977	1,032	821	14,634
Alabama	1/	79	111	180	357	280	257	162	153	119	106	77	82	1,963
Mississippi	5	511	560	540	691	681	810	1,024	992	584	554	420	393	7,760
Arkansas	1/	262	276	342	413	668	536	427	301	335	335	339	269	4,503
Oklahoma	8	388	477	565	859	843	848	759	567	430	433	398	389	6,936
Texas	12	1,872	2,095	2,346	2,783	3,201	3,174	2,330	1,290	853	931	700	1,206	22,781
Colorado	1/	133	133	139	168	171	299	456	430	398	352	208	245	3,132
Utah	1/	37	51	41	60	80	91	91	77	69	59	59	51	746
Washington	7	158	214	292	436	609	452	441	351	389	308	255	280	4,185
Oregon	1/	149	155	217	198	278	207	280	295	224	185	167	145	2,500
California	23	5,267	5,333	7,041	8,972	8,146	8,530	10,038	9,724	8,220	7,013	3,845	3,790	85,919
All other States	10	341	641	510	966	1,106	584	644	547	369	370	329	349	6,756
UNITED STATES	361	39,701	42,570	50,780	59,322	66,826	71,332	67,493	62,833	52,767	46,516	38,302	39,049	637,491

1/ Either 3 or 4 plants reporting.

Table 18 - Evaporated milk, whole, unsweetened, case goods: Production, by States, by months, 1954

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Middle Atlantic.....	3	3,843	3,594	4,007	6,809	12,903	12,193	6,388	3,701	3,371	3,188	2,642	3,373	66,012
Ohio.....	11	11,944	12,562	15,664	19,985	29,116	30,075	27,378	24,969	20,389	14,070	13,067	13,621	232,840
Indiana.....	1/	5,635	5,470	6,798	7,568	11,154	11,738	10,070	8,711	5,732	4,464	4,368	4,481	86,189
Illinois.....	8	11,575	10,206	13,484	13,846	17,718	17,140	11,657	8,332	6,489	5,712	8,276	10,137	134,572
Michigan.....	6	7,959	8,186	9,155	12,311	16,261	16,954	14,954	12,190	8,425	5,336	5,077	5,509	122,317
Wisconsin.....	18	37,564	33,835	38,979	42,743	51,505	56,262	44,452	35,679	26,331	23,335	25,014	26,269	441,968
East North Central.....	47	74,677	70,259	84,080	96,453	125,754	132,169	108,511	89,881	67,366	52,917	55,802	60,017	1,017,886
Missouri.....	1/	4,750	5,948	8,333	14,480	20,298	15,981	11,493	12,492	8,319	7,432	7,532	6,785	123,843
Kansas.....	1/	4,221	3,874	5,028	6,150	7,848	6,303	4,653	4,013	3,305	3,723	4,131	4,572	57,821
West North Central.....	9	15,310	15,650	19,665	26,563	34,359	28,220	20,472	20,957	14,565	14,336	15,360	15,740	241,197
South Atlantic.....	6	9,462	8,744	10,721	14,396	21,875	22,776	22,393	23,171	21,224	16,693	11,931	10,112	193,498
Kentucky.....	1/	7,916	8,395	13,258	18,284	23,831	23,134	22,974	23,527	19,433	16,901	13,097	10,800	201,550
Tennessee.....	1/	6,639	6,753	9,102	15,586	21,028	21,066	21,375	21,523	16,131	13,008	8,857	7,579	168,647
South Central.....	11	21,496	22,831	33,541	49,597	62,869	60,184	58,232	57,007	44,564	37,920	29,056	26,028	503,325
Utah.....	1/	5,300	4,029	5,008	5,278	5,783	5,630	5,115	4,268	3,115	3,116	4,720	5,296	56,658
Mountain.....	6	13,053	11,535	13,764	14,873	16,149	16,184	15,195	13,395	10,908	10,431	11,824	12,608	159,919
Washington.....	1/	5,179	3,758	4,509	6,203	9,328	8,628	7,386	6,501	4,683	4,216	3,460	3,964	67,815
California.....	11	19,905	19,171	24,067	28,902	30,388	27,134	26,487	23,193	18,938	18,598	19,876	20,648	277,307
Pacific.....	15	25,558	23,519	28,698	35,105	40,736	36,288	34,610	30,561	24,398	23,559	24,006	25,340	352,378
All other States.....	2/21	34,812	33,945	41,091	52,460	70,387	67,969	57,807	53,275	45,106	39,133	33,146	33,557	562,688
UNITED STATES.....	97	163,399	156,132	194,476	243,796	314,645	308,014	265,801	238,673	186,396	159,044	150,621	153,218	2,534,215

1/ Either 3 or 4 plants reporting.
2/ Included in regional totals.

Table 19 - Dried milk, whole: Production, by States, by months, 1954

State	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
New York.....	12	1,593	920	957	3,487	3,383	3,268	1,994	1,121	928	1,457	1,172	1,932	22,212
Ohio.....	1/	1,029	1,076	1,227	1,209	1,635	1,456	1,419	1,425	1,365	1,018	977	1,312	15,148
Illinois.....	1/	613	312	437	629	603	499	585	860	742	732	586	740	7,338
Michigan.....	5	350	66	207	265	567	768	351	363	277	357	606	623	4,800
Wisconsin.....	15	1,733	2,475	3,145	3,939	3,120	3,379	2,381	2,554	1,985	1,825	2,212	1,945	30,693
California.....	1/	434	84	296	595	778	788	956	691	679	309	388	221	6,219
All other States.....	13	309	1,174	316	423	486	690	608	440	750	1,000	663	605	7,464
UNITED STATES.....	55	6,061	6,107	6,585	10,547	10,572	10,848	8,294	7,454	6,726	6,698	6,604	7,378	93,874

1/ Either 3 or 4 plants reporting.

Table 20 - Nonfat dry milk solids, spray process, for human consumption: Production, by States. by month, 1954

State	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	1/	1,333	1,250	1,777	1,887	2,205	2,269	1,372	762	960	700	265	666	15,446
New York	27	8,621	8,583	12,039	11,825	13,947	12,645	9,184	5,397	5,818	6,318	5,064	6,339	105,780
Pennsylvania	10	1,031	1,151	1,674	2,017	3,211	2,822	1,441	1,249	1,267	1,219	1,149	1,588	19,819
Ohio	18	4,089	4,105	4,946	5,117	7,124	6,308	4,700	3,653	3,338	2,517	2,055	2,656	50,608
Indiana	9	1,312	1,361	2,072	2,098	3,141	2,604	2,010	1,720	1,385	1,048	824	865	20,440
Illinois	8	979	1,046	1,327	1,542	2,023	1,656	1,206	1,064	773	639	766	874	13,895
Michigan	12	3,330	3,120	3,631	3,749	4,579	4,345	3,433	2,968	2,720	2,504	2,219	2,389	38,987
Wisconsin	67	34,885	33,088	39,587	38,977	43,453	43,000	35,488	30,063	25,382	25,289	25,650	29,978	404,840
Minnesota	44	21,819	21,455	25,082	24,340	26,822	26,060	19,456	13,640	10,391	11,159	14,343	20,488	235,055
Iowa	13	1,859	1,795	2,172	2,166	2,978	3,012	2,383	2,040	1,595	1,509	1,723	2,271	25,503
Missouri	9	2,795	2,714	3,559	4,384	4,880	4,768	3,378	2,623	1,854	1,866	1,895	2,037	36,753
Nebraska	1/	721	728	707	726	972	678	195	168	59	49	92	322	5,417
Kansas	7	2,027	1,938	2,106	2,265	3,045	2,060	590	712	417	712	1,248	1,566	18,686
Virginia	5	517	401	700	1,080	1,584	1,174	680	613	206	86	65	285	7,391
Oklahoma	1/	91	81	84	49	42	67	116	487	339	29	34	44	1,463
Texas	1/	93	160	136	164	131	111	14	-	-	-	5	258	1,072
Idaho	7	3,477	3,140	4,021	4,741	5,684	5,360	5,339	4,923	4,246	4,112	3,749	3,972	52,764
Utah	5	627	619	689	788	931	827	680	516	409	423	373	492	7,374
Washington	1/	337	440	616	721	1,411	1,294	1,043	765	725	862	393	326	8,933
Oregon	1/	457	509	683	1,012	1,539	1,318	1,311	947	645	569	274	361	9,625
California	17	3,628	3,856	6,512	7,688	8,161	7,544	6,846	6,543	4,198	4,039	3,341	3,683	66,039
All other States	13	821	1,041	1,627	1,562	1,990	1,569	1,029	874	478	443	422	791	12,647
UNITED STATES	291	94,849	92,581	115,747	118,898	139,853	131,491	101,894	81,727	67,205	66,092	65,949	82,251	1,158,537

1/ Either 3 or 4 plants reporting.

Table 21- Nonfat dry milk solids, roller process, for human consumption: Production, by States, by months, 1954

State	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 pounds	1,000 pounds	1,000 pounds
Vermont	6	701	559	946	1,018	1,468	1,319	443	11	13	104	21	93	6,696
New York	39	3,732	3,932	6,121	6,494	10,016	7,975	3,016	741	912	1,143	1,158	1,953	47,193
Pennsylvania	14	796	850	1,211	1,266	1,581	1,172	533	337	340	219	224	377	8,906
Ohio	10	815	862	1,005	1,383	1,834	1,568	1,257	1,093	985	634	529	608	12,573
Indiana	8	976	1,145	1,336	1,478	2,380	1,962	1,604	1,318	991	764	721	751	15,426
Illinois	8	404	290	302	414	866	617	255	143	10	34	68	151	3,554
Michigan	19	2,393	2,404	2,994	2,986	3,634	3,455	2,455	1,893	1,669	1,588	1,161	1,712	28,344
Wisconsin	31	2,322	2,595	3,545	4,357	5,084	5,479	2,990	1,260	1,026	994	1,411	1,859	32,922
Minnesota	40	2,999	3,200	4,486	4,060	3,869	4,640	2,350	1,552	1,292	1,431	1,422	1,917	33,218
Iowa	12	1,126	1,057	1,205	1,115	1,460	1,352	1,017	803	717	695	757	815	12,119
Missouri	6	107	90	48	155	490	305	77	58	35	30	43	11	1,449
Maryland	5	1,106	1,214	1,259	1,294	1,941	1,117	595	762	853	578	491	895	12,105
Virginia	1/	56	128	86	73	318	214	72	17	55	28	33	41	1,121
Mississippi	5	278	272	273	329	636	504	387	139	103	129	148	191	3,389
Washington	6	267	352	484	639	1,201	1,130	1,024	815	740	724	445	378	8,199
California	9	371	336	614	847	1,078	902	635	512	436	404	444	487	7,066
All other States	14	723	769	1,110	1,392	1,643	1,323	636	459	308	332	358	504	9,557
UNITED STATES	235	19,172	20,055	27,025	29,300	39,499	35,034	19,346	11,913	10,485	9,831	9,434	12,743	243,837

1/ Either 3 or 4 plants reporting.

Table 22 - Ice cream, wholesale: Production, by States, by months, 1954

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 gallons	1,000 gallons	1,000 gallons
Maine	16	169	179	271	239	258	337	357	342	277	223	218	239	3,109
New Hampshire	15	37	35	63	66	82	123	136	128	92	57	49	36	904
Vermont	7	67	66	94	89	112	142	147	149	107	107	99	99	1,278
Massachusetts	97	1,045	1,197	1,628	1,655	1,732	2,231	2,150	2,092	1,677	1,558	1,267	1,278	19,510
Rhode Island	22	158	177	263	285	284	403	439	426	306	245	218	193	3,397
Connecticut	37	400	449	572	587	572	755	792	731	609	523	464	465	6,919
New England	194	1,876	2,103	2,891	2,921	3,040	3,991	4,021	3,868	3,068	2,715	2,315	2,310	35,117
New York	311	2,768	3,102	4,278	4,683	4,845	6.458	6,372	5,894	4,627	3,885	3,579	3,492	53,983
New Jersey	44	700	775	982	1,071	1,092	1,454	1,593	1,499	1,212	1,004	926	895	13,203
Pennsylvania	207	3,506	3,955	4,959	4,998	5,128	6,631	6,571	6,330	5,531	4,946	4,403	4,140	61,098
Middle Atlantic	562	6,974	7,832	10,219	10,752	11,065	14,543	14,536	13,723	11,370	9,835	8,908	8,527	128,284
Ohio	191	2,207	2,386	2,739	2,966	2,894	3,887	3,873	3,584	3,155	2,626	2,326	2,233	34,876
Indiana	105	1,090	1,166	1,363	1,534	1,558	2,095	2,104	1,874	1,692	1,339	1,179	1,118	18,112
Illinois	143	1,622	1,792	1,949	2,235	2,333	3,130	3,122	2,753	2,462	2,058	1,830	1,791	27,077
Michigan	239	1,567	1,710	2,028	2,269	2,473	3,280	3,356	3,020	2,391	1,979	1,843	1,749	27,665
Wisconsin	129	1,010	1,125	1,315	1,406	1,490	2,027	2,180	1,904	1,595	1,308	1,258	1,167	17,785
East North Central	807	7,496	8,179	9,394	10,410	10,748	14,419	14,635	13,135	11,295	9,310	8,436	8,058	125,515
Minnesota	106	834	990	1,098	1,186	1,203	1,685	1,857	1,544	1,271	1,093	1,069	1,003	14,833
Iowa	88	620	682	798	880	883	1,132	1,259	1,051	915	774	710	706	10,410
Missouri	86	846	955	1,119	1,306	1,272	1,607	1,893	1,566	1,343	1,130	994	941	14,972
North Dakota	29	99	122	143	141	155	201	243	192	153	135	133	118	1,835
South Dakota	15	115	130	147	144	168	205	240	208	164	135	134	128	1,918
Nebraska	38	342	399	444	489	488	635	696	582	532	403	408	390	5,808
Kansas	59	402	445	502	561	580	709	798	698	585	447	384	377	6,488
West North Central	421	3,258	3,723	4,251	4,707	4,749	6,174	6,986	5,841	4,963	4,117	3,832	3,663	56,264
District of Columbia	7	256	334	430	412	383	480	465	467	409	377	328	332	4,673
Delaware	6	97	120	143	163	138	207	192	201	157	133	122	101	1,774
Maryland	27	513	569	726	788	802	1,000	1,016	943	878	736	595	602	9,168
Virginia	43	617	671	814	895	888	1,094	1,103	1,037	967	830	637	607	10,160
West Virginia	21	222	286	360	415	404	558	547	464	418	329	257	252	4,512
North Carolina	43	679	789	1,066	1,118	1,099	1,393	1,438	1,376	1,273	1,031	724	651	12,637
South Carolina	11	103	135	166	240	242	281	267	287	252	168	119	105	2,365
Georgia	44	409	445	579	680	697	798	810	766	708	563	399	352	7,206
Florida	48	861	1,001	1,124	1,228	1,090	1,167	1,270	1,236	1,108	961	826	815	12,687
South Atlantic	250	3,757	4,350	5,408	5,939	5,743	6,978	7,108	6,777	6,170	5,128	4,007	3,817	65,182
Kentucky	49	311	378	399	460	464	577	594	575	526	417	342	313	5,356
Tennessee	62	626	797	940	1,122	1,167	1,468	1,478	1,431	1,226	998	735	673	12,661
Alabama	41	412	510	617	735	717	869	910	842	811	615	418	415	7,871
Mississippi	36	151	201	227	291	294	395	383	368	367	264	179	153	3,273
Arkansas	22	105	151	173	219	198	281	283	250	229	170	121	116	2,296
Louisiana	33	422	520	619	698	710	882	864	864	790	608	428	422	7,827
Oklahoma	38	235	314	357	411	418	523	590	521	464	356	282	248	4,719
Texas	132	989	1,211	1,403	1,614	1,640	1,957	2,039	1,950	1,736	1,434	1,104	1,009	18,086
South Central	413	3,251	4,082	4,735	5,550	5,608	6,952	7,141	6,801	6,149	4,862	3,609	3,349	62,089
Montana	62	105	131	153	150	168	211	278	222	173	145	137	129	2,002
Idaho	16	138	135	175	187	209	203	275	236	181	155	148	111	2,153
Wyoming	16	33	33	35	40	47	56	67	59	51	39	36	33	529
Colorado	58	342	399	404	428	475	549	621	588	486	425	379	349	5,445
New Mexico	16	73	88	96	114	111	129	136	131	111	92	76	70	1,227
Arizona	13	172	180	180	214	229	229	225	222	204	200	154	129	2,338
Utah	31	177	181	214	226	237	268	308	288	248	214	207	182	2,750
Nevada	6	46	43	50	63	66	70	88	71	59	48	43	44	691
Mountain	218	1,086	1,190	1,307	1,422	1,542	1,715	1,998	1,817	1,513	1,318	1,180	1,047	17,135
Washington	49	450	492	631	680	764	792	885	835	707	600	579	565	7,980
Oregon	51	302	317	366	409	432	452	510	485	407	333	318	289	4,620
California	134	2,520	2,818	3,128	3,375	3,426	3,926	4,645	4,090	3,829	3,013	2,778	2,639	40,187
Pacific	234	3,272	3,627	4,125	4,464	4,622	5,170	6,040	5,410	4,943	3,946	3,675	3,493	52,787
UNITED STATES	3,099	30,970	35,086	42,330	46,165	47,117	59,942	62,465	57,372	49,471	41,229	35,962	34,264	542,373

Table 23- Ice cream, retail: Production, by States, by months, 1954 1/

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 gallons	1,000 gallons	1,000 gallons
Maine	166	9	12	16	26	37	32	78	49	16	13	18	21	327
New Hampshire	144	11	11	16	28	39	56	69	70	44	19	13	8	384
Vermont	70	9	10	16	13	14	12	11	11	12	14	11	12	145
Massachusetts	651	109	107	126	166	182	223	259	250	192	166	136	132	2,048
Rhode Island	100	17	19	24	26	34	39	40	41	28	28	25	17	338
Connecticut	248	38	46	50	58	62	87	91	84	60	52	54	42	724
New England	1,379	193	205	248	317	368	449	548	505	352	292	257	232	3,966
New York	2,572	400	448	617	677	699	932	920	851	668	562	517	505	7,796
New Jersey	823	162	193	209	258	261	343	354	323	319	271	240	218	3,151
Pennsylvania	1,929	437	478	582	659	778	958	1,046	958	776	666	573	528	8,439
Middle Atlantic	5,324	999	1,119	1,408	1,594	1,738	2,233	2,320	2,132	1,763	1,499	1,330	1,251	19,386
Ohio	1,148	176	194	219	253	285	364	389	365	314	230	207	190	3,186
Indiana	494	68	65	81	236	294	382	411	361	277	215	69	63	2,522
Illinois	761	132	134	140	170	201	250	261	246	197	168	151	159	2,209
Michigan	432	86	93	109	123	133	178	181	163	129	108	100	94	1,497
Wisconsin	480	66	76	90	116	146	199	222	198	144	108	86	70	1,521
East North Central	3,315	528	562	639	898	1,059	1,373	1,464	1,333	1,061	829	613	576	10,935
Minnesota	175	26	31	35	37	38	53	59	49	40	35	34	32	469
Iowa	598	93	110	124	147	179	244	263	219	167	137	120	117	1,920
Missouri	360	42	52	59	68	68	97	106	94	75	56	52	43	812
North Dakota	44	6	7	9	9	11	14	16	13	10	8	7	7	117
South Dakota	102	13	16	18	21	34	38	47	33	21	17	18	15	291
Nebraska	194	33	41	43	46	51	62	70	58	53	41	42	36	576
Kansas	172	27	32	37	41	45	58	61	57	53	36	29	27	503
West North Central	1,645	240	289	325	369	426	566	622	523	419	330	302	277	4,688
District of Columbia	84	27	28	33	31	32	34	34	29	31	21	30	31	361
Delaware	57	12	15	17	20	17	25	24	25	19	16	15	12	217
Maryland	234	66	73	86	83	97	122	118	105	108	86	75	74	1,093
Virginia	199	22	25	31	31	58	66	72	66	59	31	25	22	508
West Virginia	203	16	24	23	29	27	30	28	28	28	22	19	18	292
North Carolina	261	84	99	118	159	155	182	176	158	150	126	96	84	1,587
South Carolina	82	13	17	18	19	22	24	23	27	19	19	14	10	225
Georgia	125	18	20	23	30	34	43	44	44	33	25	20	14	348
Florida	228	40	42	46	45	49	47	45	44	38	28	25	25	474
South Atlantic	1,473	298	343	395	447	491	573	564	526	485	374	319	290	5,105
Kentucky	128	13	16	24	27	36	45	54	47	37	25	23	19	366
Tennessee	198	21	17	33	47	42	58	53	54	42	31	20	15	433
Alabama	59	7	8	10	13	11	14	8	9	11	10	7	7	115
Mississippi	107	8	10	12	15	16	21	20	19	19	14	10	8	172
Arkansas	145	12	15	20	22	28	35	33	34	31	22	15	15	282
Louisiana	65	18	18	20	20	23	27	16	18	27	27	27	23	264
Oklahoma	137	22	28	28	37	40	56	52	45	35	30	27	33	433
Texas	516	70	76	98	107	119	148	148	150	129	98	69	73	1,285
South Central	1,355	171	188	245	288	315	404	384	376	331	257	198	193	3,350
Montana	168	26	32	35	39	46	48	61	53	41	34	34	28	477
Idaho	136	16	17	22	23	26	27	41	37	27	23	22	17	298
Wyoming	44	11	13	12	14	16	18	21	19	16	12	11	11	174
Colorado	156	18	17	19	27	31	37	40	37	34	46	38	34	378
New Mexico	46	4	5	6	7	6	7	8	7	6	5	4	4	69
Arizona	62	15	15	15	18	20	20	19	19	18	17	15	11	200
Utah	84	19	20	23	24	26	29	33	31	27	23	22	20	297
Nevada	7	2	2	2	3	3	3	4	3	2	2	2	2	30
Mountain	703	111	121	134	155	174	189	227	206	171	162	146	127	1,923
Washington	594	67	81	111	110	130	143	170	151	118	90	80	89	1,340
Oregon	266	64	66	77	85	90	95	106	101	85	71	67	61	968
California	503	173	207	221	258	278	309	340	293	288	234	195	169	2,965
Pacific	1,363	304	354	409	453	498	547	616	545	491	395	342	319	5,273
UNITED STATES	16,557	2,844	3,181	3,803	4,521	5,069	6,334	6,745	6,146	5,073	4,138	3,507	3,265	54,626

1/ Includes ice cream produced by all retail establishments, roadside stands, etc.

Table 24 - Ice cream, total: Production, by States, by months, 1954 1/

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 gallons	1,000 gallons	1,000 gallons
Maine	182	178	191	287	265	295	369	435	391	293	236	236	260	3,436
New Hampshire	159	48	46	79	94	121	179	205	198	136	76	62	44	1,288
Vermont	77	76	76	110	102	126	154	158	160	119	121	110	111	1,423
Massachusetts	748	1,154	1,304	1,754	1,821	1,914	2,454	2,409	2,342	1,869	1,724	1,403	1,410	21,558
Rhode Island	122	175	196	287	311	318	442	479	467	334	273	243	210	3,735
Connecticut	285	438	495	622	645	634	842	883	815	669	575	518	507	7,643
New England	1,573	2,069	2,308	3,139	3,238	3,408	4,440	4,569	4,373	3,420	3,005	2,572	2,542	39,083
New York	2,883	3,168	3,550	4,895	5,360	5,544	7,390	7,292	6,745	5,295	4,447	4,096	3,997	61,779
New Jersey	867	862	968	1,191	1,329	1,353	1,797	1,947	1,822	1,531	1,275	1,166	1,113	16,354
Pennsylvania	2,136	3,943	4,433	5,541	5,657	5,906	7,589	7,617	7,288	6,307	5,612	4,976	4,668	69,537
Middle Atlantic	5,886	7,973	8,951	11,627	12,346	12,803	16,776	16,856	15,855	13,133	11,334	10,238	9,778	147,670
Ohio	1,339	2,383	2,580	2,958	3,219	3,179	4,251	4,262	3,949	3,469	2,856	2,533	2,423	38,062
Indiana	599	1,158	1,231	1,444	1,770	1,852	2,477	2,515	2,235	1,969	1,554	1,248	1,181	20,634
Illinois	904	1,754	1,926	2,089	2,405	2,534	3,380	3,383	2,999	2,659	2,226	1,981	1,950	29,286
Michigan	671	1,653	1,803	2,137	2,392	2,606	3,458	3,537	3,183	2,520	2,087	1,943	1,843	29,162
Wisconsin	609	1,076	1,201	1,405	1,522	1,636	2,226	2,402	2,102	1,739	1,416	1,344	1,237	19,306
East North Central	4,122	8,024	8,741	10,033	11,308	11,807	15,792	16,099	14,468	12,356	10,139	9,049	8,634	136,450
Minnesota	281	860	1,021	1,133	1,223	1,241	1,738	1,916	1,593	1,311	1,128	1,103	1,035	15,302
Iowa	686	713	792	922	1,027	1,062	1,376	1,522	1,270	1,082	911	830	823	12,330
Missouri	446	888	1,007	1,178	1,374	1,340	1,704	1,999	1,660	1,418	1,186	1,046	984	15,784
North Dakota	73	105	129	152	150	166	215	259	205	163	143	140	125	1,952
South Dakota	117	128	146	165	165	202	243	287	241	185	152	152	143	2,209
Nebraska	232	375	440	487	535	539	697	766	640	585	444	450	426	6,384
Kansas	231	429	477	539	602	625	767	859	755	638	483	413	404	6,991
West North Central	2,066	3,498	4,012	4,576	5,076	5,175	6,740	7,608	6,364	5,382	4,447	4,134	3,940	60,952
District of Columbia	91	283	362	463	443	415	514	499	496	440	398	358	363	5,034
Delaware	63	109	135	160	183	155	232	216	226	176	149	137	113	1,991
Maryland	261	579	642	812	871	899	1,122	1,134	1,048	986	822	670	676	10,261
Virginia	242	639	696	845	926	946	1,160	1,175	1,103	1,026	861	662	629	10,668
West Virginia	224	238	310	383	444	431	588	575	492	446	351	276	270	4,804
North Carolina	304	763	888	1,184	1,277	1,254	1,575	1,614	1,534	1,423	1,157	820	735	14,224
South Carolina	93	116	152	184	259	264	305	290	314	271	187	133	115	2,590
Georgia	169	427	465	602	710	731	841	854	810	741	588	419	366	7,554
Florida	276	901	1,043	1,170	1,273	1,139	1,214	1,315	1,280	1,146	989	851	840	13,161
South Atlantic	1,723	4,055	4,693	5,803	6,386	6,234	7,551	7,672	7,303	6,655	5,502	4,326	4,107	70,287
Kentucky	177	324	394	423	487	500	622	648	622	563	442	365	332	5,722
Tennessee	260	647	814	973	1,169	1,209	1,526	1,531	1,485	1,268	1,029	755	688	13,094
Alabama	100	419	518	627	748	728	883	918	851	822	625	425	422	7,986
Mississippi	143	159	211	239	306	310	416	403	387	386	278	189	161	3,445
Arkansas	167	117	166	193	241	226	316	316	284	260	192	136	131	2,578
Louisiana	98	440	538	639	718	733	909	880	882	817	635	455	445	8,091
Oklahoma	175	257	342	385	448	458	579	642	566	499	386	309	281	5,152
Texas	648	1,059	1,287	1,501	1,721	1,759	2,105	2,187	2,100	1,865	1,532	1,173	1,082	19,371
South Central	1,768	3,422	4,270	4,980	5,838	5,923	7,356	7,525	7,177	6,480	5,119	3,807	3,542	65,439
Montana	230	131	163	188	189	214	259	339	275	214	179	171	157	2,479
Idaho	152	154	152	197	210	235	230	316	273	208	178	170	128	2,451
Wyoming	60	44	46	47	54	63	74	88	78	67	51	47	44	703
Colorado	214	360	416	423	455	506	586	661	625	520	471	417	383	5,823
New Mexico	62	77	93	102	121	117	136	144	138	117	97	80	74	1,296
Arizona	75	187	195	195	232	249	249	244	241	222	217	167	140	2,538
Utah	115	196	201	237	250	263	297	341	319	275	237	229	202	3,047
Nevada	13	48	45	52	66	69	73	92	74	61	50	45	46	721
Mountain	921	1,197	1,311	1,441	1,577	1,716	1,904	2,225	2,023	1,684	1,480	1,326	1,174	19,058
Washington	643	517	573	742	790	894	935	1,055	986	825	690	659	654	9,320
Oregon	317	366	383	443	494	522	547	616	586	492	404	385	350	5,588
California	637	2,693	3,025	3,349	3,633	3,704	4,235	4,985	4,383	4,117	3,247	2,973	2,808	43,152
Pacific	1,597	3,576	3,981	4,534	4,917	5,120	5,717	6,656	5,955	5,434	4,341	4,017	3,812	58,060
UNITED STATES	19,656	33,814	38,267	46,133	50,686	52,186	66,276	69,210	63,518	54,544	45,367	39,469	37,529	596,999

1/ Includes ice cream produced both for wholesale and retail.

Table 25- Ice milk: Production, by States, by months, 1954 1/

State and division	Plants	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Number	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	1,000 gallons	1,000 gallons	1,000 gallons
Maine	233	29	27	58	39	73	69	82	76	56	51	32	33	625
Vermont	92	-	7	9	12	16	31	15	18	19	19	11	7	164
Massachusetts	280	77	97	149	168	214	251	194	185	152	139	83	77	1,786
Rhode Island	34	10	11	18	20	22	29	29	30	19	16	10	10	224
Connecticut	209	35	49	107	67	75	138	133	101	70	36	43	25	879
New England	848	151	191	341	306	400	518	453	410	316	261	179	152	3,678
Ohio	999	214	274	330	368	398	565	562	536	467	309	245	194	4,462
Indiana	23	15	13	16	21	26	42	40	37	33	22	17	14	296
Illinois	1,167	198	229	304	434	476	693	760	603	499	349	228	249	5,022
Wisconsin	360	13	18	29	82	133	193	223	193	121	56	27	15	1,103
East North Central	2,549	440	534	679	905	1,033	1,493	1,585	1,369	1,120	736	517	472	10,883
Minnesota	340	52	75	88	99	113	147	159	125	85	77	69	64	1,153
Iowa 2/	584	111	110	131	175	204	283	283	245	243	167	120	129	2,201
Missouri	374	92	132	178	228	275	330	413	347	264	206	156	132	2,753
North Dakota 3/	16	10	11	14	16	20	26	28	25	23	18	13	11	215
South Dakota	122	12	29	37	50	49	63	76	66	56	40	44	34	556
Nebraska	447	65	78	110	153	166	224	260	203	171	121	80	86	1,717
Kansas	572	98	115	137	339	325	443	579	445	369	203	160	139	3,352
West North Central	2,455	440	550	695	1,060	1,152	1,516	1,798	1,456	1,211	832	642	595	11,947
West Virginia	219	24	61	72	89	86	112	122	97	98	74	39	47	921
North Carolina	80	173	181	249	309	325	466	498	499	452	306	229	184	3,871
South Carolina	133	34	39	47	72	86	93	99	91	87	57	33	25	763
Georgia	149	57	64	87	114	123	171	162	152	137	90	63	47	1,267
Florida	266	154	165	183	212	198	205	235	240	206	174	140	134	2,246
South Atlantic 4/	849	442	510	638	797	819	1,049	1,117	1,079	980	701	504	437	9,073
Kentucky	124	55	70	83	93	101	139	147	123	118	83	66	53	1,131
Tennessee	429	124	162	206	246	273	351	346	331	315	244	175	127	2,900
Alabama	131	110	123	146	192	185	222	249	236	230	168	99	89	2,049
Mississippi	291	95	117	124	162	153	217	206	208	211	155	99	76	1,823
Arkansas	350	55	74	95	109	119	168	165	141	143	120	91	76	1,356
Louisiana	189	84	118	122	160	149	170	145	137	155	121	69	76	1,506
Oklahoma	291	69	91	111	144	153	210	238	222	190	143	112	93	1,776
Texas	371	99	114	131	182	190	211	250	209	194	157	103	102	1,942
South Central	2,176	691	869	1,018	1,288	1,323	1,688	1,746	1,607	1,556	1,191	814	692	14,483
Montana 5/	173	6	8	18	29	39	49	68	53	37	22	17	14	360
Idaho	265	31	28	53	52	85	84	113	100	71	47	36	23	723
Wyoming	56	5	6	2	9	14	18	25	20	14	9	8	5	135
Colorado	349	114	131	140	144	163	186	231	213	185	141	132	111	1,891
New Mexico	83	28	36	36	49	59	67	77	69	62	45	31	30	589
Arizona	127	76	79	82	99	101	87	105	106	104	94	87	58	1,078
Utah	205	50	54	66	78	100	109	132	108	90	60	51	39	937
Nevada	32	14	14	17	24	26	30	40	39	29	21	20	18	292
Mountain	1,290	324	356	414	484	587	630	791	708	592	439	382	298	6,005
Washington	594	121	136	189	223	266	277	324	299	243	180	175	148	2,581
Oregon 5/	311	85	108	149	166	190	200	208	198	167	127	105	77	1,780
California	1,005	905	1,083	1,242	1,500	1,628	1,927	2,340	1,985	1,926	1,482	1,253	1,041	18,312
Pacific	1,910	1,111	1,327	1,580	1,889	2,084	2,404	2,872	2,482	2,336	1,789	1,533	1,266	22,673
UNITED STATES	12,077	3,599	4,337	5,365	6,729	7,398	9,298	10,362	9,111	8,111	5,949	4,571	3,912	78,742

1/ During 1954, this product was not permitted by law in States not shown in this table.
2/ Includes substandard frozen dessert.
3/ Includes imitation ice cream.
4/ Includes production for some States not shown separately.
5/ Includes low-fat or substandard ice cream.

Table 26 - Butter, creamery: Production, by States, 1917-39

State and division	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
	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	1,000 pounds	1,000 pounds
Maine	1,522	1,483	1,272	825	719	596	402	568	509	577	544	348
New Hampshire	622	559	517	500	531	420	530	271	145	97	72	44
Vermont	13,998	12,065	12,883	14,759	15,447	13,083	12,947	13,298	10,594	8,524	7,435	6,350
Massachusetts	2,555	2,457	2,865	3,198	3,895	2,999	2,386	2,290	2,544	2,560	3,432	2,498
Rhode Island	190	210	197	198	144	115	111	105	67	75	100	69
Connecticut	1,075	910	1,019	970	1,218	1,086	980	520	729	663	598	412
New England	19,962	17,684	18,753	20,450	21,954	18,309	17,366	17,052	14,588	12,496	12,181	9,721
New York	16,426	15,927	15,728	19,123	28,323	26,444	22,032	26,257	18,602	14,571	13,126	11,849
New Jersey	174	134	190	143	214	264	438	642	179	67	101	45
Pennsylvania	16,200	13,100	14,590	13,900	17,688	15,365	15,501	14,400	11,981	12,482	12,778	12,688
Middle Atlantic	32,800	29,161	30,508	33,166	46,225	42,073	37,971	41,299	30,762	27,120	26,005	24,582
Ohio	52,248	55,888	63,882	70,900	90,063	92,200	88,171	86,436	85,660	88,050	87,766	83,150
Indiana	37,039	40,625	44,904	40,200	52,872	49,800	52,811	55,300	55,720	58,934	62,436	60,409
Illinois	34,891	39,884	44,648	41,074	48,879	47,259	51,687	61,500	63,786	69,768	67,643	69,097
Michigan	52,830	50,500	55,843	53,600	62,329	66,344	71,677	74,392	75,400	73,140	69,379	65,920
Wisconsin	101,325	94,900	97,992	107,500	138,693	153,600	153,267	161,032	171,656	170,600	164,621	138,060
East North Central	278,333	281,797	307,269	313,274	392,836	409,203	417,613	438,660	452,222	460,492	451,845	416,636
Minnesota	126,105	133,160	146,295	139,230	169,948	193,907	218,965	250,646	267,601	270,890	278,539	275,490
Iowa	78,850	86,945	90,916	89,180	106,516	130,382	152,846	160,378	168,363	172,258	186,989	196,068
Missouri	24,782	30,185	38,418	35,228	45,694	49,560	54,932	61,801	62,607	71,749	73,421	77,847
North Dakota	14,526	16,550	19,537	17,500	20,745	22,675	23,355	29,215	32,682	35,044	34,803	31,284
South Dakota	16,090	18,636	17,613	14,300	19,323	21,146	27,447	24,643	29,203	31,003	35,783	35,700
Nebraska	56,800	62,477	60,467	56,663	66,653	74,809	76,748	81,423	83,929	90,882	96,263	99,042
Kansas	33,950	37,220	36,567	32,899	37,000	40,204	42,674	48,800	50,095	52,765	58,714	57,838
West North Central	351,103	385,173	409,813	385,000	465,879	532,683	596,967	656,906	694,480	724,591	764,512	773,269
District of Columbia	1	6	6	503	577	475	10	-	461	52	-	-
Delaware	274	270	285	380	485	253	160	150	79	67	50	47
Maryland	464	297	315	440	620	542	382	500	455	289	229	243
Virginia	1,314	1,524	1,732	2,327	3,350	3,306	4,231	5,125	4,929	5,150	6,258	6,051
West Virginia	160	200	356	867	530	420	337	466	689	535	375	425
North Carolina	920	730	885	875	1,300	1,549	1,718	1,683	1,592	1,791	2,235	1,959
South Carolina	97	17	27	16	19	165	537	527	428	420	470	407
Georgia	10	4	6	7	85	979	1,042	1,950	1,950	2,056	3,244	2,480
Florida	50	39	17	-	11	81	99	70	56	142	169	280
South Atlantic	3,290	3,087	3,629	5,415	6,977	7,770	9,416	10,471	10,639	10,492	13,030	11,892
Kentucky	2,885	3,561	5,950	7,675	10,746	12,010	12,671	13,124	14,611	17,058	20,202	19,988
Tennessee	2,538	2,068	3,735	5,903	8,707	9,164	13,237	13,960	12,397	13,201	18,190	16,500
Alabama	721	912	696	510	885	1,030	1,071	1,080	1,339	1,083	1,687	1,419
Mississippi	3,200	3,300	3,474	3,430	4,882	5,778	5,715	5,648	5,596	7,096	8,220	7,805
Arkansas	244	429	363	345	586	731	996	1,259	1,173	1,499	1,710	1,466
Louisiana	93	70	46	55	160	87	185	145	145	195	324	461
Oklahoma	7,550	8,470	10,807	9,990	11,002	11,440	14,119	14,720	16,439	20,374	25,681	26,262
Texas	7,800	7,580	10,911	11,925	14,302	12,980	13,517	14,400	14,777	15,391	24,933	22,100
South Central	25,031	26,390	35,982	40,033	51,270	53,220	61,511	64,336	66,477	75,897	100,947	96,001
Montana	4,200	5,200	6,094	5,860	7,465	7,816	10,980	14,179	14,795	15,664	16,759	16,365
Idaho	5,019	5,030	5,273	5,300	5,746	7,980	10,023	13,600	16,729	20,238	21,288	22,156
Wyoming	1,850	1,480	1,325	1,120	1,485	1,550	1,894	1,991	2,201	2,612	2,448	2,360
Colorado	12,500	13,450	13,983	13,500	16,406	16,910	18,665	18,500	19,295	18,953	21,005	21,614
New Mexico	40	95	57	36	29	129	185	251	349	455	447	430
Arizona	2,538	1,455	1,040	950	1,522	1,820	1,946	2,107	1,801	1,503	2,193	2,495
Utah	3,910	3,520	4,411	4,200	5,345	6,460	7,836	8,785	8,146	8,546	10,508	10,184
Nevada	3,096	4,174	3,796	2,018	2,388	2,642	2,631	2,640	2,594	2,432	2,191	2,231
Mountain	33,153	34,404	35,979	32,984	40,386	45,307	54,160	62,053	65,910	70,403	76,839	77,835
Washington	17,900	18,100	20,236	23,751	23,228	24,241	26,919	29,785	29,484	31,100	31,757	30,100
Oregon	13,233	15,365	14,433	14,990	17,399	19,621	23,230	23,992	23,771	24,828	26,206	25,781
California	59,200	60,359	62,449	68,127	72,254	74,010	81,948	78,562	74,591	74,118	77,325	76,786
Pacific	90,333	93,824	97,120	106,868	112,881	117,872	132,097	132,339	127,846	130,046	135,288	132,667
UNITED STATES	834,005	871,520	939,053	937,190	1,138,408	1,226,437	1,327,101	1,423,116	1,462,924	1,511,537	1,580,647	1,542,603

Continued

Table 26 - Butter, creamery: Production, by States, 1917-39 - Continued

State and division	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
	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	1,000 pounds
Maine	301	253	150	90	75	60	55	65	75	119	80
New Hampshire	28	22	8	-	-	-	-	-	-	-	-
Vermont	5,137	4,250	3,645	2,650	2,480	2,240	2,817	2,649	3,244	2,996	2,355
Massachusetts	1,570	2,060	1,470	1,390	1,470	1,660	1,260	1,040	912	640	282
Rhode Island	48	34	33	15	12	8	19	14	16	17	8
Connecticut	409	407	522	390	370	335	230	185	180	153	138
New England	7,493	7,026	5,828	4,535	4,407	4,303	4,381	3,953	4,427	3,925	2,863
New York	9,462	9,899	10,356	9,777	14,096	15,194	14,034	14,592	16,891	15,596	17,052
New Jersey	45	65	86	57	35	40	48	40	35	41	20
Pennsylvania	12,409	12,280	12,317	13,090	14,250	14,720	16,780	14,550	14,119	14,100	14,441
Middle Atlantic	21,916	22,244	22,759	22,924	28,381	29,954	30,862	29,182	31,045	29,737	31,513
Ohio	89,360	84,055	86,128	85,100	86,500	83,400	85,152	84,200	84,780	85,950	84,329
Indiana	62,701	63,249	67,991	75,507	76,508	77,062	73,935	67,112	66,607	71,139	68,972
Illinois	73,887	68,576	69,154	73,900	74,800	78,430	78,689	71,340	71,205	79,650	78,043
Michigan	63,427	65,926	75,601	78,609	79,637	76,438	77,439	82,162	80,887	86,757	90,088
Wisconsin	156,442	173,411	176,091	170,899	158,430	162,442	160,725	172,500	177,052	188,933	173,227
East North Central	445,817	455,217	474,965	484,015	475,875	477,772	475,940	477,314	480,531	512,429	494,659
Minnesota	288,630	285,150	289,165	290,500	305,200	281,250	280,270	296,180	280,105	301,604	297,325
Iowa	214,563	216,319	219,428	219,531	239,125	238,313	218,822	208,926	200,362	229,604	233,541
Missouri	86,951	82,178	82,313	84,400	88,540	86,750	87,643	76,910	82,211	95,600	84,480
North Dakota	41,889	41,032	50,412	49,336	50,799	43,960	42,550	45,575	44,267	45,385	50,708
South Dakota	40,894	40,900	42,080	39,700	43,393	38,948	36,122	38,741	33,896	36,105	41,022
Nebraska	100,199	86,391	86,850	86,400	94,900	93,200	78,715	74,800	65,718	69,000	81,236
Kansas	60,430	58,571	70,239	74,600	82,700	79,750	70,279	64,200	69,808	78,840	80,108
West North Central	833,556	810,541	840,487	844,467	904,657	862,171	814,401	805,332	776,367	856,138	868,420
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Delaware	42	41	48	56	55	42	30	29	36	42	46
Maryland	183	211	380	610	930	1,180	1,570	1,677	1,996	2,290	2,320
Virginia	5,882	5,255	5,740	6,060	6,910	6,193	6,353	6,318	6,508	7,478	7,035
West Virginia	466	507	426	540	570	475	693	775	2,454	2,984	2,733
North Carolina	2,230	2,130	2,115	2,805	2,878	2,434	2,433	2,420	2,448	2,764	2,232
South Carolina	496	504	648	924	948	775	785	720	600	622	523
Georgia	2,280	2,510	2,102	2,638	3,247	2,345	2,219	1,975	2,045	2,135	1,849
Florida	239	239	263	316	221	184	239	169	146	222	160
South Atlantic	11,818	11,397	11,722	13,949	14,759	13,628	14,322	14,083	16,233	18,537	16,898
Kentucky	20,633	17,806	19,048	20,470	22,530	21,580	22,119	22,125	22,101	24,620	21,279
Tennessee	19,230	16,975	15,197	16,518	17,433	15,795	15,920	15,555	16,550	20,270	17,161
Alabama	2,154	2,184	2,089	2,637	2,404	1,838	1,528	1,477	1,524	1,689	1,452
Mississippi	8,444	6,800	7,460	8,887	8,169	7,190	6,767	6,190	6,243	7,640	5,753
Arkansas	2,985	2,345	3,696	5,705	5,890	5,340	5,503	5,527	6,853	7,588	6,311
Louisiana	882	705	1,452	1,885	1,879	1,589	1,519	1,595	1,614	1,818	1,730
Oklahoma	27,510	26,666	31,628	38,150	42,250	39,500	41,999	38,450	46,167	51,407	51,412
Texas	27,500	25,827	31,291	36,500	38,540	31,200	28,580	33,500	35,791	38,300	38,145
South Central	109,338	99,308	111,861	130,752	139,095	124,032	123,935	124,419	136,843	153,332	143,243
Montana	16,684	16,792	14,864	14,182	14,795	13,069	12,577	11,586	10,608	11,567	12,308
Idaho	24,175	26,486	28,644	28,918	29,756	29,317	29,418	29,917	30,728	32,974	33,988
Wyoming	2,864	2,835	2,748	2,520	2,560	2,258	2,144	2,312	2,794	2,870	3,073
Colorado	22,420	22,643	21,993	21,974	23,909	22,699	18,261	21,491	21,125	22,287	22,696
New Mexico	566	951	1,080	927	990	955	1,227	1,830	2,934	2,890	3,555
Arizona	2,613	2,294	3,042	2,780	2,070	1,270	1,999	2,277	1,987	2,548	2,569
Utah	11,793	12,485	12,307	13,040	13,050	10,335	8,971	10,890	11,839	11,335	10,545
Nevada	2,278	1,993	2,021	1,895	1,846	1,607	1,477	1,669	2,272	2,439	2,350
Mountain	83,393	86,479	86,699	86,236	88,976	81,510	76,074	81,972	84,287	88,910	91,084
Washington	30,229	32,468	37,503	35,612	34,146	35,170	37,299	35,680	36,594	37,109	36,586
Oregon	25,341	26,818	29,062	29,029	27,308	28,318	29,918	29,285	29,617	31,205	31,217
California	72,806	74,366	73,350	73,854	77,406	70,986	64,377	64,850	66,430	67,082	65,254
Pacific	128,376	133,652	139,915	138,495	138,860	134,474	131,594	129,815	132,641	135,396	133,057
UNITED STATES	1,641,707	1,625,864	1,694,236	1,725,373	1,795,010	1,727,844	1,671,509	1,666,070	1,662,374	1,798,404	1,781,737

Table 27 - Cheese, total American, made from whole milk: Production, by States, 1918-39

State and division	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
	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	1,000 pounds
Maine	-	-	-	-	-	-	34	50	128	139	88
New Hampshire	59	25	3	77	-	-	-	6	-	-	-
Vermont	1,750	3,460	1,882	1,880	1,300	1,400	1,755	1,218	1,254	946	802
Massachusetts	32	4	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	-	2	-	-	-	-	-	-	-
New England	1,841	3,489	1,885	1,959	1,300	1,400	1,789	1,274	1,382	1,085	890
New York	39,610	50,510	33,829	48,070	55,730	49,190	41,509	39,501	31,663	24,931	31,075
New Jersey	106	446	130	200	334	196	155	-	-	-	-
Pennsylvania	2,930	3,580	2,970	3,500	2,550	2,900	2,350	2,411	1,823	1,837	2,236
Middle Atlantic	42,646	54,536	36,929	51,770	58,614	52,286	44,014	41,912	33,486	26,768	33,311
Ohio	1,515	1,300	1,150	1,200	500	450	675	625	550	750	1,136
Indiana	54	90	62	177	62	78	306	353	333	776	5,143
Illinois	1,952	3,240	1,540	2,200	3,300	3,875	3,500	3,865	3,873	3,562	5,141
Michigan	4,750	5,580	4,380	5,431	5,603	6,021	5,922	7,098	7,525	6,528	8,233
Wisconsin	201,400	235,730	215,500	217,758	215,400	264,597	274,200	298,277	275,265	271,460	256,508
East North Central	209,671	245,940	222,632	226,766	224,865	275,021	284,603	310,218	287,346	283,076	276,161
Minnesota	7,121	9,098	7,002	8,000	7,091	8,229	9,790	9,444	9,014	7,620	9,163
Iowa	1,287	959	645	520	640	660	730	801	629	870	1,078
Missouri	280	302	402	572	296	360	255	297	412	684	2,777
North Dakota	-	-	-	-	-	-	-	-	-	25	3
South Dakota	27	32	9	19	-	8	43	43	79	110	121
Nebraska	60	77	95	131	43	68	135	275	818	1,735	3,090
Kansas	34	25	19	61	147	110	176	192	245	302	2,192
West North Central	8,809	10,493	8,172	9,303	8,217	9,435	11,129	11,052	11,197	11,346	18,424
District of Columbia	-	-	43	-	-	-	-	-	-	-	-
Delaware	-	-	-	-	4	-	-	-	-	-	-
Maryland	-	93	9	29	6	-	-	-	-	-	-
Virginia	59	60	35	28	128	167	152	69	80	126	607
West Virginia	24	56	24	41	16	-	-	-	-	1	1
North Carolina	211	228	109	86	103	181	80	62	61	76	225
South Carolina	-	-	-	-	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	3	44	24	-	-	99
Florida	2	-	-	-	-	-	-	-	-	-	-
South Atlantic	296	437	220	184	257	351	276	155	141	203	932
Kentucky	-	-	-	-	-	-	-	37	40	65	125
Tennessee	44	51	26	50	71	284	398	347	187	154	665
Alabama	-	-	-	29	-	51	-	-	-	-	1,210
Mississippi	-	-	-	-	-	-	-	-	-	198	2,531
Arkansas	-	-	-	-	18	-	-	-	-	-	-
Louisiana	-	1	-	-	-	-	-	-	-	9	25
Oklahoma	3	1	-	-	2	-	37	9	5	5	20
Texas	25	1	-	15	31	-	-	-	-	25	983
South Central	72	54	26	94	122	335	435	393	232	456	5,559
Montana	449	269	233	113	259	641	792	1,296	1,484	1,435	2,347
Idaho	2,133	2,578	1,722	2,117	3,368	5,311	7,450	8,352	7,986	7,434	8,001
Wyoming	1,332	1,612	1,280	1,677	3,416	1,791	1,883	1,923	2,118	2,138	2,185
Colorado	308	361	381	354	42	99	434	333	773	1,233	2,906
New Mexico	-	-	-	-	74	135	92	56	-	-	39
Arizona	443	365	350	450	47	84	96	125	462	486	152
Utah	1,127	1,071	959	1,184	3,219	2,139	2,162	1,753	1,809	2,205	2,592
Nevada	1	-	-	25	24	45	79	66	80	99	88
Mountain	5,793	6,256	4,925	5,920	10,449	10,245	12,988	13,904	14,712	15,030	18,310
Washington	884	1,645	1,143	1,910	2,928	2,762	2,998	3,126	3,430	3,324	4,250
Oregon	7,666	8,848	8,482	8,777	10,023	10,250	10,951	10,903	13,216	11,435	11,051
California	6,530	6,560	7,340	7,300	6,820	5,680	6,400	6,655	5,674	5,620	6,856
Pacific	15,080	17,053	16,965	17,987	19,771	18,692	20,349	20,684	22,320	20,379	22,157
UNITED STATES	284,208	338,258	291,754	313,983	323,595	367,765	375,583	399,592	370,816	358,343	375,744

Continued

Table 27 - Cheese, total American. made from whole milk: Production, by States, 1918-39 - Continued

State and division	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
	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	1,000 pounds
Maine	89	85	83	76	80	57	1	2	42	33	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-
Vermont	713	1,399	514	332	386	420	801	1,106	1,222	794	695
Massachusetts	-	-	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	-	-	-	-	-	-	-	-	-
New England	802	1,484	597	408	446	477	802	1,108	1,264	827	695
New York	26,072	29,219	26,299	22,586	26,286	25,951	20,597	22,079	29,542	26,141	21,970
New Jersey	-	307	-	-	-	-	-	-	-	-	-
Pennsylvania	1,271	1,990	1,820	1,601	2,130	2,098	1,820	1,410	1,420	1,765	1,654
Middle Atlantic	27,343	31,516	28,119	24,187	28,416	28,049	22,417	23,489	30,962	27,906	23,624
Ohio	1,500	1,250	1,161	1,655	2,150	3,135	6,276	8,513	9,675	10,790	11,440
Indiana	8,903	11,243	13,731	14,417	16,042	22,699	21,441	24,305	26,107	27,198	24,186
Illinois	6,625	5,611	5,644	10,030	12,150	15.530	19,500	21,091	26,656	31,241	29,207
Michigan	9,020	6,955	6,662	6,495	8,932	9,694	10,550	12,509	12,639	13,990	13,328
Wisconsin	247,506	246,686	243,109	227,751	238,692	252,105	270,851	270,851	243,003	281,977	284,035
East North Central	273,554	271,745	270,307	260,348	277,966	303,163	328,618	337,269	318,080	365,196	362,196
Minnesota	10,980	9,086	8,432	7,578	8,892	9,775	10,624	11,595	13,298	15,232	13,118
Iowa	1,325	1,183	1,260	1,016	1,383	1,742	2,958	4,339	4,011	3,745	3,124
Missouri	4,442	3,380	3,480	4,050	5,100	5,530	9,000	8,200	10,409	12,229	13,158
North Dakota	-	-	27	148	18	-	-	-	-	-	-
South Dakota	367	468	772	442	965	1,375	1,088	1,040	859	993	1,038
Nebraska	3,985	3,173	1,883	1,490	1,660	1,786	1,725	1,550	1,571	2,032	1,563
Kansas	2,930	3,988	4,445	4,613	6,844	7,257	7,407	6,331	6,794	8,531	9,529
West North Central	24,029	21,278	20,299	19,337	24,862	27,465	32,802	33,055	36,942	42,762	41,530
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Delaware	-	-	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	13	1	1	1	-	-	-	2
Virginia	1,013	439	417	197	268	149	74	42	41	73	57
West Virginia	-	-	-	-	-	-	-	-	211	380	217
North Carolina	526	402	364	508	321	468	457	424	441	670	428
South Carolina	-	123	220	127	87	51	105	183	194	236	185
Georgia	-	-	-	-	-	26	127	273	433	217	151
Florida	3	-	-	-	-	-	-	-	-	-	-
South Atlantic	1,542	964	1,001	845	677	695	764	922	1,320	1,576	1,040
Kentucky	1,578	2,003	2,240	3,075	3,950	4,500	6,000	5,696	5,989	6,901	5,646
Tennessee	2,458	2,518	2,347	2,386	2,686	3,245	6,725	7,439	8,508	13,065	12,459
Alabama	1,093	37	35	-	1,255	1,525	1,723	1,609	1,972	1,909	1,532
Mississippi	4,628	4,438	4,901	5,748	6,264	5,906	6,997	7,822	9,292	11,006	8,165
Arkansas	1,023	1,363	1,540	1,329	1,330	1,150	1,710	2,243	3,279	3,102	2,476
Louisiana	107	17	109	144	164	212	222	319	416	546	334
Oklahoma	196	602	906	3,249	6,220	6,210	6,454	6,340	7,266	7,713	5,786
Texas	2,402	2,919	4,406	6,641	9,095	7,197	8,465	13,940	16,804	19,600	15,720
South Central	13,485	13,897	16,484	22,572	29,964	29,945	38,296	45,408	53,526	63,842	52,118
Montana	1,990	1,612	1,609	1,896	1,970	1,663	1,852	1,648	1,087	1,433	1,184
Idaho	7,537	8,530	5,486	6,087	5,506	6,165	6,822	7,666	8,240	9,512	9,215
Wyoming	2,331	2,619	1,696	1,514	1,374	477	498	735	450	781	863
Colorado	3,039	2,896	2,141	2,000	2,246	2,593	1,513	1,946	1,610	2,099	1,860
New Mexico	-	-	-	-	-	-	-	-	260	1,164	792
Arizona	98	109	120	171	33	25	222	99	127	122	156
Utah	3,287	3,044	3,497	3,156	4,493	5,091	4,277	4,925	3,626	4,193	4,419
Nevada	86	48	22	-	-	-	-	-	-	19	22
Mountain	18,368	18,858	14,571	14,814	15,622	16,014	15,184	17,019	15,400	19,323	18,511
Washington	4,650	5,145	5,330	7,783	7,524	8,523	9,262	8,289	8,865	9,096	9,550
Oregon	12,580	14,727	15,777	15,532	15,251	16,421	16,129	16,332	19,076	19,599	19,907
California	6,352	6,007	7,210	8,654	12,189	11,165	10,737	10,338	9,834	10,961	9,887
Pacific	23,582	25,879	28,317	31,969	34,964	36,109	36,128	34,959	37,775	39,656	39,344
UNITED STATES	382,705	385,621	379,695	374,480	412,917	441,917	475,011	493,229	495,269	561,088	539,058

Table 28 - All other cheese than whole milk and full-skim American: Production, by States, 1918-39

State and division	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
	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	1,000 pounds
Maine	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	348	251	697	557	516	632	180	96	47	-	-
Vermont	450	800	757	496	782	1,044	414	681	509	297	126
Massachusetts	68	103	77	-	1	-	62	-	114	247	393
Rhode Island	3	4	-	-	-	-	-	-	-	-	-
Connecticut	21	-	-	24	-	-	-	-	-	-	-
New England	890	1,158	1,531	1,077	1,299	1,676	656	777	670	544	519
New York	30,600	36,800	32,057	27,715	23,341	15,609	18,729	17,500	18,519	23,494	25,897
New Jersey	362	399	563	490	340	225	915	1,701	52	175	237
Pennsylvania	10,031	11,093	8,968	7,726	6,299	5,315	5,134	4,997	3,990	3,997	4,709
Middle Atlantic	40,993	48,292	41,588	35,931	29,980	21,149	24,778	24,198	22,561	27,666	30,843
Ohio	3,596	3,921	3,248	3,831	4,161	4,236	4,065	3,482	2,812	3,257	3,305
Indiana	136	165	145	165	44	96	60	207	62	21	750
Illinois	2,905	3,272	2,445	2,518	2,434	2,784	3,907	4,030	4,657	6,240	5,372
Michigan	5,625	6,471	4,406	4,652	2,903	1,515	1,537	753	663	920	532
Wisconsin	65,957	71,635	66,721	63,398	60,128	64,350	57,107	63,977	59,802	58,595	55,360
East North Central	78,219	85,464	76,965	74,564	69,670	72,981	66,676	72,449	67,996	69,033	65,319
Minnesota	531	657	500	200	247	221	153	611	412	413	562
Iowa	113	79	79	60	72	97	97	74	90	86	86
Missouri	-	-	-	-	1	-	5	5	-	4	9
North Dakota	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	24	-	-	-	-	-	-	-	-	22
Nebraska	-	-	-	-	1	3	-	5	10	4	3
Kansas	-	-	-	-	-	-	-	3	16	113	1
West North Central	644	760	579	260	321	321	255	698	528	620	683
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Delaware	111	200	147	130	66	2	-	-	-	-	-
Maryland	139	195	150	175	54	18	-	-	1	1	1
Virginia	6	-	-	-	30	95	-	-	-	-	-
West Virginia	-	-	5	-	-	-	-	-	-	-	-
North Carolina	3	-	-	-	-	1	3	-	-	-	-
South Carolina	-	1	-	-	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	-	-	-	-	-	-
Florida	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	259	396	302	305	150	116	3	-	1	1	1
Kentucky	-	-	-	-	-	-	-	-	-	-	-
Tennessee	-	-	-	6	1	-	-	-	-	-	-
Alabama	-	-	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-	-	-	-
Arkansas	-	-	-	-	-	-	-	-	-	-	42
Louisiana	-	-	-	-	-	-	-	-	169	6	50
Oklahoma	-	6	-	-	-	-	-	-	-	-	-
Texas	8	17	-	4	6	-	2	9	-	-	-
South Central	8	23	-	10	7	-	2	9	169	6	92
Montana	32	99	33	86	63	101	180	69	17	-	1
Idaho	4	5	5	-	-	5	327	300	285	168	227
Wyoming	-	-	9	-	-	-	62	-	-	-	-
Colorado	486	647	950	1,596	1,436	1,422	1,126	1,295	1,018	1,186	1,037
New Mexico	-	-	-	-	-	-	-	-	-	-	3
Arizona	186	179	177	172	85	130	429	476	671	516	636
Utah	18	-	6	-	-	-	12	-	-	104	-
Nevada	-	-	-	-	-	-	-	-	-	49	-
Mountain	726	930	1,180	1,854	1,584	1,658	2,136	2,140	1,991	2,023	1,904
Washington	491	581	301	220	218	300	266	313	79	236	352
Oregon	272	508	300	223	232	300	275	300	300	229	568
California	2,483	3,020	3,395	1,749	1,483	1,813	846	620	2,403	3,339	2,748
Pacific	3,246	4,109	3,996	2,192	1,933	2,413	1,387	1,233	2,782	3,804	3,668
UNITED STATES	124,985	141,132	126,141	116,193	104,944	100,314	95,893	101,504	96,698	103,697	103,029

Continued

Table 28 - All other cheese than whole milk and full-skim American: Production, by States, 1918-39 - Continued

State and division	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
	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	1,000 pounds
Maine	-	-	-	-	-	81	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-
Vermont	8	14	1	3	163	176	205	369	539	434	729
Massachusetts	681	471	608	418	395	479	323	710	692	689	1,324
Rhode Island	-	-	-	-	-	13	15	21	21	20	20
Connecticut	-	-	1	52	74	89	50	10	120	126	140
New England	689	485	610	473	632	838	593	1,110	1,372	1,269	2,213
New York	27,841	29,038	26,612	23,986	25,129	28,073	29,428	28,104	28,452	32,332	33,379
New Jersey	141	403	300	400	500	700	904	845	800	1,396	1,361
Pennsylvania	2,823	2,278	1,903	2,017	2,238	2,615	3,012	2,960	4,349	6,140	8,432
Middle Atlantic	30,805	31,719	28,815	26,403	27,867	31,388	33,344	31,909	33,601	39,868	43,172
Ohio	3,895	4,043	5,506	5,332	6,798	7,845	8,334	7,870	7,835	7,974	8,044
Indiana	1,209	815	973	848	1,377	663	675	70	11	26	84
Illinois	6,446	5,000	4,716	4,500	5,773	6,982	7,415	7,352	11,156	10,686	11,542
Michigan	664	1,610	884	738	770	860	1,342	1,767	1,943	2,091	2,387
Wisconsin	62,330	69,892	66,848	68,163	77,397	81,101	84,078	87,274	81,333	83,236	86,395
East North Central	74,544	81,360	78,927	79,581	92,115	97,451	101,844	104,333	102,278	104,015	108,452
Minnestoa	508	488	444	492	684	627	630	1,048	934	534	770
Iowa	113	234	384	319	223	243	234	145	74	77	42
Missouri	-	-	-	6	104	346	580	293	505	168	178
North Dakota	-	-	2	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-
Nebraska	13	124	61	211	6	5	83	3	3	-	4
Kansas	4	224	120	-	2	-	123	137	297	838	524
West North Central	638	1,070	1,011	1,028	1,019	1,221	1,650	1,626	1,813	1,617	1,518
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Delaware	-	-	-	-	-	-	57	77	103	102	54
Maryland	-	-	-	-	229	63	-	-	-	28	15
Virginia	59	646	416	-	-	-	-	-	-	-	-
West Virginia	1	3	1	5	-	1	-	-	-	-	-
North Carolina	-	40	206	-	155	-	-	11	-	-	-
South Carolina	-	-	6	-	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	-	-	-	-	-	-
Florida	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	60	689	629	5	384	64	57	98	103	130	69
Kentucky	1	2	-	-	-	-	-	-	-	-	-
Tennessee	-	-	265	624	683	1,091	1,034	874	1,324	1,365	1,435
Alabama	361	-	-	-	-	-	-	-	-	-	40
Mississippi	-	14	89	191	41	43	231	268	13	8	1
Arkansas	728	405	-	85	53	-	-	-	-	98	168
Louisiana	21	-	3	1	363	313	419	386	329	-	-
Oklahoma	107	13	323	200	258	349	473	83	100	150	359
Texas	723	507	277	479	1,115	1,410	2,076	2,345	3,129	3,510	2,577
South Central	1,941	941	957	1,580	2,513	3,206	4,233	3,956	4,895	5,131	4,580
Montana	24	45	4	-	3	-	-	-	-	-	-
Idaho	337	605	1,488	1,336	2,328	1,754	2,019	2,603	2,787	2,603	2,208
Wyoming	-	-	842	804	1,286	1,747	1,713	1,403	1,261	933	918
Colorado	1,298	1,177	1,424	1,622	2,146	1,489	1,402	1,817	1,727	1,734	1,163
New Mexico	-	-	-	-	-	-	-	10	10	-	-
Arizona	623	489	259	15	20	92	269	545	542	393	370
Utah	1	-	-	-	2	-	-	-	-	-	9
Nevada	-	-	-	1	61	57	27	22	45	3	-
Mountain	2,283	2,316	4,017	3,778	5,846	5,139	5,430	6,400	6,372	5,666	4,668
Washington	519	631	913	158	400	294	354	324	293	352	292
Oregon	504	454	566	344	349	547	491	358	309	726	414
California	4,141	4,324	2,921	2,992	4,245	4,552	5,106	6,244	7,003	6,159	5,851
Pacific	5,164	5,409	4,400	3,494	4,994	5,393	5,951	6,926	7,605	7,237	6,557
UNITED STATES	116,124	123,989	119,366	116,342	135,370	144,700	153,102	156,348	158,039	164,933	171,229

Table 29 - Ice cream. total: Production, by States, 1916-39

State and division	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
	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	1,000 gallons	1,000 gallons
Maine	500	640	760	968	1,515	1,400	1,440	1,325	1,388	1,443	1,425	1,525
New Hampshire	150	200	240	260	400	460	480	485	493	546	604	750
Vermont	207	312	347	365	539	610	550	625	725	585	618	715
Massachusetts	2,250	2,980	4,020	4,270	6,140	6,350	7,210	9,200	9,000	10,300	10,400	11,525
Rhode Island	820	980	1,190	1,100	1,230	1,075	1,165	1,472	1,425	1,827	1,680	1,834
Connecticut	1,600	1,720	2,070	2,140	2,600	2,360	2,810	3,250	3,315	3,590	3,450	3,340
New England	5,527	6,832	8,627	9,103	12,424	12,255	13,655	16,357	16,346	18,291	18,177	19,689
New York	11,297	11,113	13,472	16,240	18,200	19,050	24,710	25,116	26,700	27,180	26,425	29,761
New Jersey	2,800	3,035	5,740	5,905	6,110	7,350	7,430	8,100	7,990	9,100	9,500	11,300
Pennsylvania	12,840	14,400	18,350	20,500	24,140	27,090	31,200	37,100	34,400	36,846	33,800	33,967
Middle Atlantic	26,937	28,548	37,562	42,645	48,450	53,490	63,340	70,316	69,090	73,126	69,725	75,028
Ohio	8,065	7,340	10,600	11,200	13,130	12,975	13,240	15,570	15,010	17,500	17,000	17,121
Indiana	3,480	3,490	4,730	5,350	5,100	5,242	5,331	6,430	5,980	6,915	6,830	7,174
Illinois	9,065	8,890	11,580	12,855	14,520	15,565	15,400	16,300	16,050	20,000	20,100	20,530
Michigan	3,090	3,050	5,080	6,750	6,795	6,650	7,880	8,357	9,971	9,778	10,165	10,371
Wisconsin	2,200	2,610	3,530	4,380	5,803	6,027	6,377	6,632	6,450	6,964	6,850	7,647
East North Central	25,900	25,380	35,520	40,535	45,348	46,459	48,228	53,289	53,461	61,157	60,945	62,843
Minnesota	2,430	2,590	3,230	3,921	3,983	3,828	3,851	4,210	4,370	5,725	5,729	5,419
Iowa	2,895	3,014	3,768	3,863	3,925	4,037	4,227	4,641	4,480	5,320	6,400	5,400
Missouri	2,990	3,145	4,740	4,970	5,855	6,050	6,500	6,840	6,450	7,600	7,460	7,500
North Dakota	304	395	425	439	375	352	445	560	525	785	993	904
South Dakota	428	525	779	977	790	660	726	790	690	950	880	975
Nebraska	1,380	1,720	2,345	2,510	2,310	2,090	2,210	2,290	2,250	2,570	2,575	2,615
Kansas	3,960	4,190	2,110	2,200	2,020	2,298	2,690	2,750	2,700	3,506	3,360	3,414
West North Central	14,387	15,579	17,397	18,880	19,258	19,315	20,649	22,081	21,465	26,456	27,397	26,227
District of Columbia	1,300	1,825	3,322	2,964	2,772	2,348	2,030	2,400	2,080	2,650	2,400	2,515
Delaware	135	145	175	170	320	350	369	649	573	598	589	705
Maryland	1,590	1,820	3,200	3,520	4,160	3,850	3,850	4,090	3,985	4,150	4,290	4,400
Virginia	1,560	1,920	3,071	2,202	2,203	2,132	2,546	2,996	2,555	2,584	2,466	2,888
West Virginia	790	1,095	1,750	1,870	2,190	2,465	2,415	2,890	2,650	2,900	2,700	2,860
North Carolina	695	970	1,320	1,365	1,845	1,975	1,860	2,250	2,100	2,690	2,600	3,024
South Carolina	275	395	640	545	570	395	460	619	779	734	745	932
Georgia	850	1,490	2,690	1,995	1,965	1,680	1,640	1,898	1,780	2,140	2,050	2,075
Florida	365	2,216	1,257	940	1,090	1,005	1,080	1,165	1,820	3,010	3,271	2,974
South Atlantic	7,560	11,876	17,425	15,571	17,115	16,200	16,250	18,957	18,322	21,456	21,111	22,373
Kentucky	680	780	1,275	1,240	1,390	1,180	1,610	2,020	1,995	2,340	2,400	2,500
Tennessee	1,230	1,490	1,965	1,795	1,995	1,910	1,970	2,170	2,040	2,640	2,768	2,820
Alabama	700	1,169	1,732	1,781	1,754	1,580	1,500	1,620	1,570	1,640	1,825	1,900
Mississippi	137	229	494	547	594	495	645	820	766	870	895	1,400
Arkansas	428	630	1,069	835	935	725	765	1,075	1,050	1,200	920	990
Louisiana	420	475	985	850	930	895	1,230	1,350	1,220	1,325	1,345	1,390
Oklahoma	1,147	1,619	2,188	2,050	2,260	1,950	2,090	2,175	2,120	2,654	2,576	2,800
Texas	2,540	3,300	5,686	5,155	5,470	4,890	4,750	5,065	5,160	5,840	5,990	6,460
South Central	7,282	9,692	15,394	14,253	15,328	13,625	14,560	16,295	15,921	18,509	18,719	20,260
Montana	177	297	427	611	551	481	471	640	565	610	617	711
Idaho	175	250	260	295	280	240	280	324	370	382	389	464
Wyoming	98	134	110	132	146	167	155	198	225	238	255	245
Colorado	690	870	1,130	1,386	1,397	1,395	1,760	1,780	1,920	1,955	2,053	2,292
New Mexico	31	44	59	50	40	38	46	42	54	101	111	176
Arizona	154	206	262	229	273	225	248	225	370	395	390	487
Utah	300	348	425	540	472	466	542	590	687	863	849	855
Nevada	38	47	54	70	92	97	129	93	104	113	138	130
Mountain	1,663	2,196	2,727	3,313	3,251	3,109	3,631	3,892	4,295	4,657	4,802	5,360
Washington	850	1,480	2,150	2,110	2,295	2,190	2,120	2,815	2,818	3,190	3,207	3,838
Oregon	488	706	1,115	1,137	1,310	1,150	1,220	1,410	1,550	1,720	2,153	2,100
California	2,970	4,130	4,995	5,435	6,469	7,573	7,438	8,865	10,057	11,456	12,097	13,667
Pacific	4,308	6,316	8,260	8,682	10,074	10,913	10,778	13,090	14,425	16,366	17,457	19,605
UNITED STATES	93,564	106,419	142,912	152,982	171,248	175,366	191,091	214,277	213,325	240,018	238,333	251,385

Continued

Table 29 - Ice cream, total: Production, by States, 1916-39 - Continued

State and division	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
	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	1,000 gallons	1,000 gallons
Maine	1,550	1,625	1,623	1,459	987	864	1,115	1,196	1,392	1,619	1,535	1,572
New Hampshire	790	900	806	885	592	405	455	505	530	610	675	723
Vermont	765	800	743	646	510	418	508	563	663	862	767	733
Massachusetts	10,680	11,225	11,146	9,890	8,035	7,275	8,275	10,085	10,355	12,265	10,962	11,990
Rhode Island	1,875	1,954	1,710	1,603	1,331	1,428	1,480	1,735	2,040	2,270	2,410	2,955
Connecticut	3,370	4,050	3,640	3,260	2,720	2,310	2,415	2,645	2,940	3,460	3,355	3,457
New England	19,030	20,554	19,668	17,743	14,175	12,700	14,248	16,729	17,920	21,086	19,704	21,430
New York	32,144	35,584	33,651	34,266	27,400	25,761	28,784	29,842	35,274	38,555	38,769	40,666
New Jersey	10,150	10,560	7,875	7,198	4,672	3,982	4,940	5,195	6,225	7,205	7,524	7,336
Pennsylvania	34,815	37,230	37,404	31,690	22,475	20,770	25,640	29,675	34,830	39,449	38,077	39,918
Middle Atlantic	77,109	83,374	78,930	73,154	54,547	50,513	59,364	64,712	76,329	85,209	84,370	87,920
Ohio	17,270	17,300	15,542	13,880	10,155	10,900	13,510	14,265	17,500	19,425	18,790	19,842
Indiana	6,850	7,400	6,430	5,430	3,960	3,950	4,295	5,290	6,425	7,425	7,659	8,281
Illinois	21,100	22,600	21,900	18,600	13,460	12,710	14,435	14,560	16,680	19,200	19,290	20,128
Michigan	11,272	13,600	11,309	10,339	8,483	7,862	9,015	11,217	14,063	15,743	14,202	15,080
Wisconsin	7,814	8,894	8,609	6,598	4,661	3,963	4,527	5,878	7,481	9,143	8,646	9,271
East North Central	64,306	69,794	63,790	54,847	40,719	39,385	45,782	51,210	62,149	70,936	68,587	72,602
Minnesota	5,459	5,954	5,980	5,411	3,660	3,520	4,198	4,956	5,878	6,986	7,763	8,150
Iowa	6,000	6,547	6,167	4,604	2,994	3,507	3,898	4,303	5,524	5,742	6,260	6,843
Missouri	6,900	8,100	7,100	6,934	5,500	4,880	4,860	6,085	7,475	8,235	8,210	8,500
North Dakota	1,086	1,135	948	789	431	463	507	706	787	865	927	956
South Dakota	1,100	1,204	1,181	996	522	562	676	833	1,062	1,151	1,132	1,271
Nebraska	3,100	3,195	2,938	2,389	1,521	1,472	1,872	2,153	2,835	2,661	2,400	2,725
Kansas	3,480	3,850	3,818	2,922	2,483	1,794	2,013	2,272	3,342	3,904	3,553	3,685
West North Central	27,125	29,985	28,132	24,045	17,111	16,198	18,024	21,308	26,903	29,544	30,245	32,130
District of Columbia	2,425	2,437	2,382	2,378	2,031	2,002	2,329	2,726	3,235	3,397	3,566	3,878
Delaware	595	683	1,116	1,111	885	884	964	1,127	1,409	1,543	1,407	1,441
Maryland	4,250	4,409	4,265	3,615	2,480	2,879	3,432	3,894	4,257	4,958	5,025	5,262
Virginia	2,801	2,959	2,895	2,828	1,784	2,021	2,687	2,892	3,538	3,735	3,757	4,026
West Virginia	2,237	2,466	2,279	1,890	1,204	1,364	1,614	1,890	2,305	2,952	2,687	2,815
North Carolina	2,860	2,612	1,970	1,750	1,300	1,647	2,150	2,895	2,816	3,758	3,923	3,843
South Carolina	890	1,090	912	756	470	500	600	880	720	985	864	1,274
Georgia	1,786	1,885	1,525	1,450	1,180	1,325	1,480	1,953	2,088	2,662	2,670	2,786
Florida	2,413	2,487	1,849	1,916	1,403	1,590	1,860	2,291	2,140	2,470	2,903	3,210
South Atlantic	20,257	21,028	19,193	17,694	12,737	14,212	17,116	20,548	22,508	26,460	26,802	28,535
Kentucky	2,710	3,320	2,800	1,675	1,241	1,109	1,272	1,657	1,575	1,855	1,976	2,106
Tennessee	2,270	3,119	2,640	2,345	1,945	1,825	2,391	2,708	3,330	3,920	3,585	4,378
Alabama	1,620	1,836	1,371	1,190	800	1,067	1,250	1,643	1,700	1,909	1,970	2,170
Mississippi	1,499	1,701	1,207	894	521	591	817	1,017	1,195	1,490	1,156	1,414
Arkansas	960	1,133	865	675	550	500	650	850	840	870	1,106	1,266
Louisiana	1,288	1,474	1,350	1,090	888	1,117	1,243	1,873	2,093	2,150	2,205	2,595
Oklahoma	2,910	3,220	2,725	1,816	1,302	1,575	2,124	2,846	3,690	3,277	3,387	3,561
Texas	6,550	6,980	5,830	4,990	4,025	5,220	7,350	8,800	10,116	10,630	10,638	10,816
South Central	19,807	22,783	18,788	14,675	11,172	13,004	17,097	21,394	24,539	26,101	26,023	28,306
Montana	908	990	863	720	507	511	673	833	1,196	1,355	1,317	1,427
Idaho	624	693	701	563	366	368	565	665	854	1,098	985	972
Wyoming	340	453	362	296	197	141	143	248	179	320	349	273
Colorado	2,536	2,667	2,513	2,300	1,651	1,558	2,121	2,312	2,656	2,915	2,827	3,105
New Mexico	169	262	215	157	97	111	162	218	281	368	372	463
Arizona	524	686	555	498	350	300	428	475	510	910	732	752
Utah	899	1,101	949	901	598	532	763	974	1,163	1,221	1,012	1,073
Nevada	122	154	137	133	100	90	86	111	161	196	175	215
Mountain	6,122	7,006	6,295	5,568	3,866	3,611	4,941	5,836	7,000	8,383	7,769	8,280
Washington	3,804	4,074	3,599	3,202	2,468	2,093	2,496	2,882	3,673	3,891	3,926	4,420
Oregon	2,350	2,561	2,305	1,700	1,106	1,033	1,276	1,568	1,923	2,092	2,376	2,648
California	14,057	16,078	14,739	13,809	10,049	9,043	11,216	12,947	15,641	17,355	16,564	19,501
Pacific	20,211	22,713	20,643	18,711	13,623	12,169	14,988	17,397	21,237	23,338	22,866	26,569
UNITED STATES	253,967	277,237	255,439	226,437	167,950	161,792	191,560	219,134	258,585	291,057	286,366	305,772

Table 30 - Whole milk used in manufactured dairy products: Calculated quantities used in specified products, on a whole-milk-equivalent basis, by States, 1954 1/

State and division	Creamery butter	Cheese		Evaporated milk (unsweetened) Case	Condensed milk (unsweetened) Bulk	Sweetened condensed milk Case & Bulk	Dry whole milk	Ice cream and other frozen products	Other milk 2/ products	Total	Duplications	Net total
		American	Other than American									
	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	1,000 pounds	1,000 pounds
Maine	4,279	-	5,184	-	22,079	211	-	53,586	3,500	88,839	17,272	71,567
New Hampshire	23	-	-	-	-	-	-	22,487	256	22,766	7,763	15,003
Vermont	54,409	48,053	32,500	-	14,868	132	-	24,825	16,950	191,737	6,710	185,027
Massachusetts	6,548	-	25,781	-	-	-	-	356,821	6,575	395,725	137,266	258,459
Rhode Island	-	-	1,342	-	-	-	-	58,337	-	59,679	16,761	42,918
Connecticut	25	-	2,904	-	5,211	53	-	120,154	4,289	132,636	5,633	127,003
New England	65,284	48,053	67,711	-	42,158	396	-	636,210	31,570	891,382	191,405	699,977
New York	768,868	376,423	600,348	28,889	172,972	5,722	174,081	949,474	89,333	3,166,110	366,094	2,800,016
New Jersey	1,079	83	32,722	-	111	-	-	256,974	5,359	296,328	13,826	282,502
Pennsylvania	272,624	9,306	79,571	117,806	68,750	4,444	-	1,062,909	32,256	1,647,666	59,279	1,588,387
Middle Atlantic	1,042,571	385,812	712,641	146,695	241,833	10,166	174,081	2,269,357	126,948	5,110,104	439,199	4,670,905
Ohio	1,175,708	259,868	163,500	490,184	15,658	16,079	109,825	551,125	99,275	2,881,222	79,884	2,801,338
Indiana	733,866	276,974	96,211	181,447	34,421	4,237	12,100	260,880	20,000	1,620,136	64,291	1,555,845
Illinois	1,170,347	530,056	389,629	299,056	4,278	2,250	56,747	484,441	65,921	3,002,725	129,039	2,873,686
Michigan	1,061,701	316,194	27,657	271,806	22,278	26,723	36,632	433,725	64,558	2,261,274	66,410	2,194,864
Wisconsin	4,500,000	5,015,914	1,285,576	982,139	55,167	23,017	234,237	320,948	151,000	12,568,898	438,730	12,130,168
East North Central	8,641,622	6,399,006	1,962,573	2,224,632	131,802	73,306	449,541	2,051,119	400,754	22,334,255	778,354	21,555,901
Minnesota	5,833,680	642,028	181,057	31,500	56	16,056	27,342	241,895	22,902	6,996,516	73,142	6,923,374
Iowa	3,949,948	227,806	5,400	100,806	28	-	-	203,480	11,680	4,499,148	25,893	4,473,255
Missouri	1,138,621	821,051	744	254,026	7,051	-	-	227,467	24,975	2,473,955	66,834	2,407,121
North Dakota	1,086,267	-	-	-	-	-	-	31,600	722	1,118,589	11,808	1,106,781
South Dakota	692,289	27,611	-	-	-	-	-	40,486	2,389	762,775	9,010	753,765
Nebraska	1,670,419	4,556	83	-	2,333	333	-	112,579	7,680	1,797,983	28,982	1,769,001
Kansas	960,000	130,324	-	125,027	541	432	641	121,693	14,051	1,352,709	14,133	1,338,576
West North Central	15,331,224	1,853,376	187,284	511,359	10,009	16,821	27,983	979,220	84,399	19,001,675	229,802	18,771,873
District of Columbia	-	-	-	-	-	-	-	76,175	3,650	79,825	30,070	49,755
Delaware	-	-	-	-	-	-	-	29,256	75	29,331	11,620	17,711
Maryland	80,302	79	26	55,553	38,684	23,421	-	155,325	9,625	363,015	60,810	302,205
Virginia	136,348	1,974	-	137,051	897	385	1,182	162,072	2,691	442,600	46,314	396,286
West Virginia	12,227	4,744	-	74,154	-	-	-	70,858	3,786	165,769	3,370	162,399
North Carolina	47,358	23,051	-	81,725	11,410	-	-	212,410	3,409	379,363	92,765	286,598
South Carolina	2,555	-	75	44,333	-	-	-	35,455	205	82,623	14,614	68,009
Georgia	7,086	6,825	-	-	4,619	24	-	102,614	1,233	122,401	18,655	103,746
Florida	568	-	-	-	-	-	-	181,628	3,143	185,339	64,856	120,483
South Atlantic	286,444	36,673	101	392,816	55,610	23,830	1,182	1,025,793	27,817	1,850,266	343,074	1,507,192
Kentucky	316,689	303,175	2,400	403,100	5,850	325	-	79,140	11,059	1,121,738	24,964	1,096,774
Tennessee	204,511	349,625	59,850	337,300	9,050	-	-	176,387	8,364	1,145,087	51,343	1,093,744
Alabama	703	29,625	-	-	-	-	-	106,733	682	137,743	28,036	109,707
Mississippi	97,035	143,575	-	145,100	5,625	21,575	-	49,800	523	463,233	11,368	451,865
Arkansas	66,507	120,759	29,975	89,850	-	-	-	40,907	976	348,974	11,274	337,700
Louisiana	5,689	3,350	-	425	-	-	-	108,023	1,173	118,660	4,954	113,706
Oklahoma	566,893	62,821	27,744	-	2,256	205	-	76,870	9,714	746,503	18,758	727,745
Texas	121,138	47,475	-	30,875	-	150	-	252,181	16,698	468,517	26,173	442,344
South Central	1,379,165	1,060,405	119,969	1,006,650	22,781	22,255	-	890,041	49,189	4,550,455	176,870	4,373,585
Montana	131,421	44,108	-	-	-	-	-	36,794	1,692	214,015	8,229	205,786
Idaho	638,741	219,947	45,653	192,880	-	-	5,410	41,974	44,583	1,189,188	31,720	1,157,468
Wyoming	45,924	5,595	14,944	-	-	-	-	10,975	757	78,195	2,034	76,161
Colorado	349,481	25,528	-	28,556	3,972	111	667	105,606	17,590	531,511	6,126	525,385
New Mexico	15,675	-	-	-	1,000	-	-	23,450	2,195	42,320	899	41,421
Arizona	9,462	-	1,333	-	-	-	-	46,205	3,093	60,093	1,947	58,146
Utah	129,558	75,595	40,676	122,514	-	-	641	54,762	7,459	431,205	22,667	408,538
Nevada	11,737	-	-	-	-	-	-	14,764	108	26,609	607	26,002
Mountain	1,331,999	370,773	102,606	343,950	4,972	111	6,718	334,530	77,477	2,573,136	74,229	2,498,907
Washington	421,520	33,143	12,078	140,909	7,584	5,481	1,146	154,098	25,310	801,269	9,892	791,377
Oregon	318,742	228,700	3,225	14,500	3,427	-	6,000	84,884	11,072	668,610	22,751	645,859
California	829,128	60,583	88,944	616,250	49,056	10,445	47,474	745,615	223,027	2,670,522	98,974	2,571,548
Pacific	1,569,390	320,426	104,247	771,659	60,127	15,926	54,620	984,597	259,409	4,140,401	131,617	4,008,784
UNITED STATES	29,647,699	10,474,524	3,257,132	5,397,761	569,292	162,711	714,125	9,170,867	1,057,563	60,451,674	2,364,550	58,087,124

1/ Total whole-milk equivalent of factory dairy products calculated from production in each State as reported by the Agricultural Marketing Service, and pounds of fat received at plants per pound of product made and test of milk used for each purpose as determined from a survey of 1,900 plants in 46 States for the year July 1930 to June 1931. 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. Duplication is removed on the basis of information from the survey referred to above: 201 plants making American cheese reported the sale of 0.0281 pound of butterfat per pound of cheese made. Butterfat from whey cream is used primarily as a source of fat in making butter. 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.

2/ Includes milk equivalents of dry cream, malted milk powder, part-skim dry milk, dry or concentrated ice cream mix, creamed cottage cheese, sweetened dry whole milk, infant food, candy base, canned condensed chocolate milk, dehydrated butterfat, and other special milk products.

Table 31- Skim milk equivalents: Calculated quantities used in specified skim milk and buttermilk products, by States, 1954 1/

State and division	Full skim American Cheddar cheese	Cottage cheese curd	Sweetened condensed skim milk		Unsweetened condensed skim milk 2/ case & bulk	Concentrated skim milk (for animal feed)	Condensed or evaporated buttermilk	Dry or powdered		Dry casein 4/	Total
			Case	Bulk				Butter-milk	Nonfat milk solids 3/		
	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	1,000 pounds
Maine	-	33,412	-	1,290	16,779	-	-	-	11,198	-	62,679
New Hampshire	-	1,112	-	-	-	-	-	-	-	-	1,112
Vermont	-	96,469	-	3,318	14,841	-	-	22	248,523	14,173	377,346
Massachusetts	-	5,862	-	-	2,955	-	-	-	44,385	-	53,202
Rhode Island	-	-	-	-	-	-	-	-	-	-	-
Connecticut	-	26,194	-	-	1,116	-	-	-	-	-	27,310
New England	-	163,049	-	4,608	35,691	-	-	22	304,106	14,173	521,649
New York	1,248	367,231	-	33,588	181,278	-	1,095	7,194	1,710,984	101,210	2,403,828
New Jersey	-	17,538	-	699	201	-	-	-	2,134	-	20,572
Pennsylvania	352	133,569	-	51,426	137,064	3,462	3,939	-	318,263	-	648,075
Middle Atlantic	1,600	518,338	-	85,713	318,543	3,462	5,034	7,194	2,031,381	101,210	3,072,475
Ohio	368	234,831	-	23,499	158,322	-	33,903	27,258	699,193	2,142	1,179,516
Indiana	1,296	69,712	-	16,290	47,673	4,644	537	11,407	399,201	-	550,760
Illinois	-	157,706	-	6,558	90,093	-	104,730	9,625	194,612	1,642	564,966
Michigan	-	184,575	-	5,898	92,091	-	4,737	33,385	755,084	178	1,075,948
Wisconsin	-	175,756	-	65,130	302,919	-	-	105,369	4,870,019	143	5,519,336
East North Central	1,664	822,580	-	117,375	691,098	4,644	143,907	187,044	6,918,109	4,105	8,890,526
Minnesota	1,712	60,100	-	7,089	27,654	-	12,663	200,277	2,964,753	-	3,274,248
Iowa	672	48,281	-	687	37,092	4,224	124,068	78,595	431,046	-	724,665
Missouri	-	101,262	-	786	75,477	-	20,514	9,020	425,887	-	632,946
North Dakota	-	1,806	-	1,242	-	-	-	34,980	-	-	38,028
South Dakota	-	7,819	-	216	-	-	4,824	16,203	11,022	-	40,084
Nebraska	-	25,638	-	4,275	55,401	-	31,710	22,671	61,281	-	200,976
Kansas	-	51,750	-	4,389	111,309	-	14.217	20,053	206,415	-	408,133
West North Central	2,384	296,656	-	18,684	306,933	4,224	207,996	381,799	4,100,404	-	5,319,080
District of Columbia	-	13,050	-	-	-	-	-	-	-	-	13,050
Delaware	-	475	-	-	-	-	-	-	-	-	475
Maryland	-	37,050	-	20,529	38,910	-	1,671	-	148,269	-	246,429
Virginia	-	15,838	-	11,046	72,651	-	-	1,166	97,141	-	197,842
West Virginia	-	15,644	-	-	3,585	1,410	480	-	-	-	21,119
North Carolina	-	15,875	-	-	8,181	-	-	-	22,077	-	46,133
South Carolina	-	1,181	-	-	-	-	-	-	-	-	1,181
Georgia	-	5,300	-	303	1,491	-	-	-	4,224	-	11,318
Florida	-	12,400	-	-	-	-	-	-	-	-	12,400
South Atlantic	-	116,813	-	31,878	124,818	1,410	2,151	1,166	271,711	-	549,947
Kentucky	-	40,300	-	2,694	7,189	-	6,933	7,612	25,322	-	90,049
Tennessee	608	31,719	-	-	43,902	-	-	-	29,865	-	106,094
Alabama	-	3,788	-	-	5,889	-	-	-	-	-	9,677
Mississippi	-	2,775	-	8,412	23,280	-	-	11	59,620	-	94,098
Arkansas	-	4,544	-	831	13,509	-	150	1,166	-	-	20,200
Louisiana	-	8,500	-	2,175	1,851	-	-	-	10,362	-	22,888
Oklahoma	-	36,675	-	3,885	20,908	-	3,426	13,926	41,118	-	119,838
Texas	-	47,244	-	420	68,343	-	-	-	11,792	-	127,799
South Central	608	175,545	-	18,417	184,770	-	10,509	22,715	178,079	-	590,643
Montana	-	6,506	-	-	-	-	-	-	-	-	6,506
Idaho	-	8,056	-	-	5,625	-	-	66	583,748	-	597,495
Wyoming	-	2,700	-	-	-	-	-	-	18,557	-	21,257
Colorado	256	29,462	-	4,461	9,396	-	390	10,307	6,776	-	61,048
New Mexico	-	7,631	-	-	33	-	-	-	-	-	7,664
Arizona	-	9,844	-	-	5,157	-	-	253	1,364	4,177	20,795
Utah	-	21,906	-	-	2,238	-	-	-	81,686	-	105,830
Nevada	-	356	-	-	1,062	-	-	-	308	-	1,726
Mountain	256	86,461	-	4,461	23,511	-	390	10,626	692,439	4,177	822,321
Washington	-	85,319	-	9,357	12,495	-	-	847	199,463	-	307,481
Oregon	-	35,088	-	3,255	7,500	-	-	2,145	125,972	-	173,960
California	448	411,894	-	10,455	257,757	-	-	6,270	813,670	61,083	1,561,577
Pacific	448	532,301	-	23,067	277,752	-	-	9,262	1,139,105	61,083	2,043,018
UNITED STATES	6,960	2,711,743	-	304,203	1,963,116	13,740	369,987	619,828	15,635,334	184,748	21,809,659

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 solids, 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/ Plain condensed.
3/ Includes skim milk for animal feed.
4/ Skimmed milk or buttermilk.

The data for manufactured dairy products in 1954, 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	A. W. Todd, Commissioner
California	State Department of Agriculture	W. C. Jacobsen, Director
Colorado	Colorado Department of Agriculture Division of Animal Industry	Harry B. Staver, Chief, Dairy Section
Florida	State Department of Agriculture Inspection Bureau Dairy Division	Alex G. Shaw, Chief
Idaho	State Department of Agriculture Bureau of Dairying	Duard Campbell, Director
Illinois	State Department of Agriculture	Stillman J. Stanard, Director
Indiana	Purdue University Agricultural Experiment Station Creamery License Division	T. H. Binney, In Charge
Iowa	State Department of Agriculture Dairy and Food Division	L. B. Liddy, Chief
Kansas	State Board of Agriculture Dairy Division	Rolla B. Holland, Dairy Commissioner
Kentucky	State Department of Agriculture Labor and Statistics	Ben S. Adams, Commissioner
Michigan	State Department of Agriculture Bureau of Dairying	F. M. Skiver, Chief
Minnesota	Department of Agriculture	Byron G. Allen, Commissioner
Mississippi	State Department of Agriculture and Commerce	Si Corley, Commissioner
Montana	State Department of Agriculture	Albert H. Kruse, Commissioner
Nebraska	State Department of Agriculture and Inspection	Ed Hoyt, Director
	Bureau of Dairies, Foods, Weights and Measures	Gould B. Flagg, Chief
New York	State Department of Agriculture and Markets, Division of Milk Control	Kenneth F. Fee, Director
North Carolina	State Department of Agriculture	L. Y. Ballentine, Commissioner
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	A. L. Sorensen, Director
Oklahoma	State Board of Agriculture Dairy Division	Clyde D. Lacey, Director
Oregon	State Department of Agriculture	J. F. Short, Director
Pennsylvania	State Department of Internal Affairs	Genevieve Blatt, Secretary
South Dakota	State Department of Agriculture	Charles Bruett, Secretary
Tennessee	State Department of Agriculture	Buford Ellington, 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 Dairies Industries	Dr. W. L. Bendix, Director
Washington	State Department of Agriculture	Sverre N. Omdahl, Director
West Virginia	State Department of Agriculture	J. B. McLaughlin, Commissioner
Wisconsin	State Department of Agriculture	D. N. McDowell, Director
Wyoming	State Department of Agriculture	William L. Chapman, Commissioner