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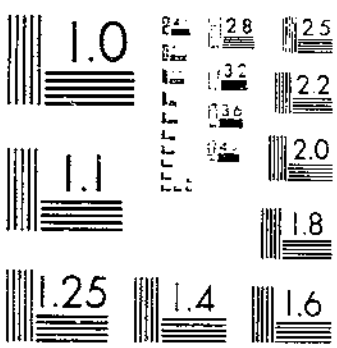

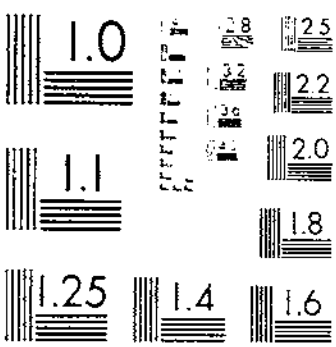

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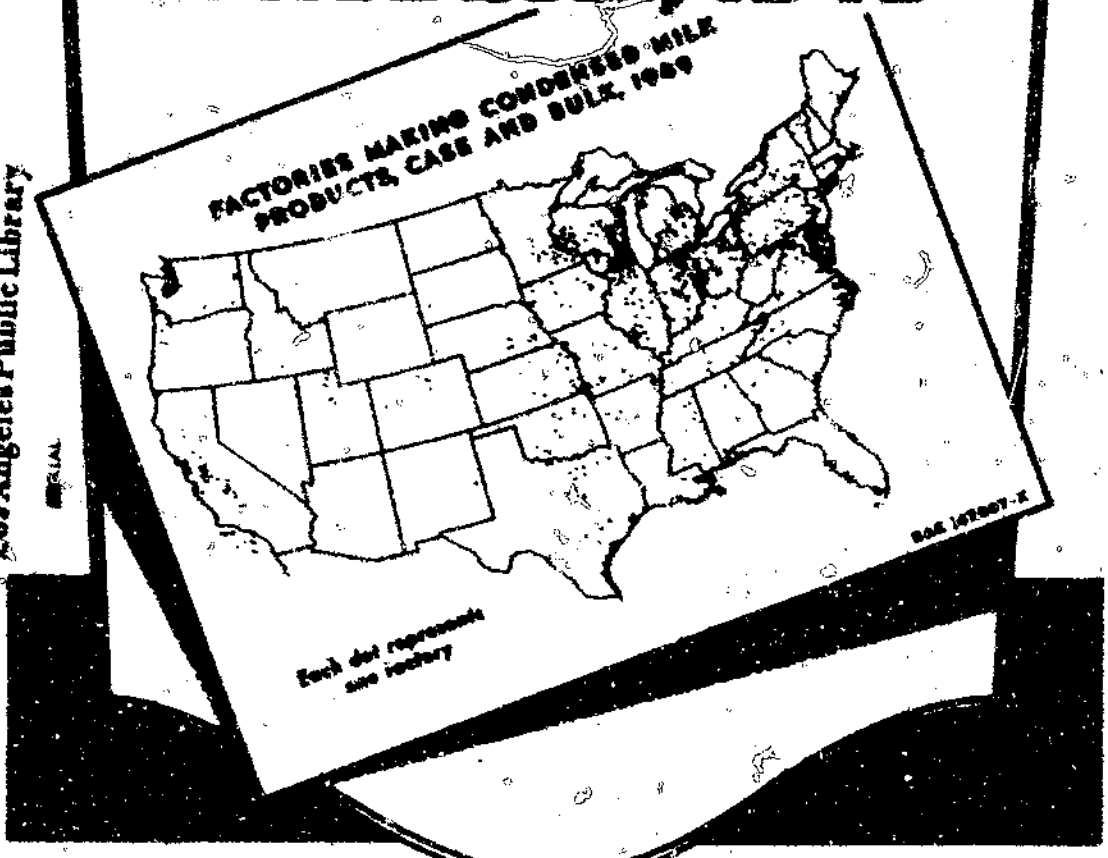
PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, 1949



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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL ECONOMICS

Washington, D. C. November 1950

R 630.5 U53-13 no. 93-102

STATISTICAL BULLETIN No. 93

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The data for manufactured dairy products in 1949, given in this report, are 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
Alabama	State Department of Agriculture and Industries	J. Haygood Paterson, Commissioner
California	State Department of Agriculture	A. A. Brock, Director
Colorado	State Department of Agriculture, Division of Animal Industry	Harry B. Staver, Dairy Section
Idaho	State Department of Agriculture, Bureau of Dairying	Lester Hendrix, Director
Illinois	State Department of Agriculture	Roy E. Yung, Director
Indiana	State Experiment Station, Creamery License Division	T. H. Binney, In charge
Iowa	State Department of Agriculture, Dairy and Food Division	Roy J. Sours, Chief
Kansas	State Board of Agriculture, Dairy Division	R. E. Dodge, Commissioner
Michigan	State Department of Agriculture, Bureau of Dairying	F. M. Skiver, Director
Minnesota	State Department of Agriculture, Dairy and Food Division	Myron W. Clark, Commissioner
Mississippi	State Department of Agriculture and Commerce	Si Corley, Commissioner
Montana	State Department of Agriculture, Labor and Industry	Alfred R. Anderson, Commissioner
Nebraska	State Department of Agriculture and Inspection, Bureau of Dairies, Foods, Weights and Measures	Gould B. Flagg, Chief
Nevada	State Extension Service	Dr. V. E. Scott, Extension Dairyman
New York	State Department of Agriculture and Markets, Division of Milk Control	Kenneth F. Fee, Director
North Carolina	State Department of Agriculture, Dairy Division	C. W. Peagram, Director
North Dakota	State Department of Agriculture and Labor, Dairy Division	William J. Murphy, Commissioner
Ohio	State Department of Agriculture, Division of Foods and Dairies	H. S. Foust, Director
Oklahoma	State Board of Agriculture, Bureau of Dairying	Clyde D. Lacey, Commissioner
Oregon	State Department of Agriculture, Division of Foods and Dairies	E. L. Peterson, Director
Pennsylvania	State Department of Internal Affairs	William S. Livengood, Secretary
South Dakota	State Department of Agriculture	L. V. Amman, Secretary
Tennessee	State Department of Agriculture, Division of Foods, Fertilizers and Dairies	James W. Parker, Commissioner
Utah	State Board of Agriculture, Dairy and Foods Division	Guy P. Stevens, Supervising Inspector
Virginia	State Department of Agriculture, Dairy and Food Division	S. S. Smith, Director
Washington	State Department of Agriculture, Dairy and Livestock Division	Sverre N. Ordahl, Director
West Virginia	State Department of Agriculture	J. B. McLaughlin, Commissioner
Wisconsin	State Department of Agriculture Dairy Division	Harvey J. Weavers, Chief

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PRODUCTION OF MANUFACTURED DAIRY PRODUCTS 1/
1949

The milk equivalent of manufactured whole-milk products produced in the United States in 1949 totaled 54,953,000,000 pounds; this is 6 percent higher than 1948 and is the fifth highest production on record, according to the Bureau of Agricultural Economics. Sharp gains were shown from 1948 to 1949 in creamery butter and cheese production, whereas declines were shown in evaporated and condensed milk, dry whole milk, and ice cream. New high records were established for output of American, Swiss, and total cheese, and for cottage cheese. Production of canned condensed and evaporated milk, dry whole milk, and ice cream was the lowest in several years.

Whole-milk Equivalents Increase in Volume

Whole-milk equivalents of manufactured dairy products totaled 54,954,748,000 pounds during 1949, a gain of 6 percent or 3,224,000,000 pounds from the preceding year. Use of milk on a whole-milk-equivalent basis in manufactured dairy products in 1949 represented 46 percent of total milk produced on farms during the year. Sharp gains in the quantities of whole-milk equivalent used in creamery butter and in whole milk used in all cheese were partially offset by declines in quantities used in evaporated and condensed milk, dry whole milk, and ice cream. Whole-milk equivalent used in creamery butter increased more than 4 billion pounds from 1948 to 1949, while whole milk used in all cheese rose more than 1 billion pounds. Utilization of whole milk in evaporated milk declined more than 1-1/3 billion pounds, while that for all other products dropped a total of about 1/2 billion pounds. Per capita use of whole-milk equivalent in the 1949 production of manufactured dairy products was 368.3 pounds, a gain of 5 percent from 1948.

Wisconsin led in the volume of whole-milk equivalent utilized in manufactured dairy products in 1949. Its total of 11,030,684,000 pounds was equal to 71 percent of the total milk produced on farms in the State. Minnesota ranked second with 6,397,308,000 pounds, or 77 percent of the State milk production utilized in manufactured dairy products. With a milk equivalent of 4,413,815,000 pounds, Iowa ranked third. About 92 percent of the milk produced in Iowa in 1949 for manufacturing purposes was used in the production of creamery butter.

Creamery Butter Production

Creamery butter production during 1949 totaled 1,412,101,000 pounds, the largest since 1944 and up 17 percent from 1948. Minnesota with an output of 252,621,000 pounds, ranked first as in preceding years. Iowa ranked second, with 193,153,000 pounds. Wisconsin strengthened its third rank position by a gain of 68 percent from 1948 to 1949. Production in Wisconsin was 168,214,000 pounds, 11.9 percent of the country's total. This is the highest proportion of the national production manufactured by Wisconsin in 25 years. Other States in order of their rank were Nebraska, Missouri, Ohio, Illinois, Michigan, Indiana, and Kansas. All principal regions registered gains over 1948 except the Mountain States.

1/ The material appearing in this report was compiled under the supervision of W. D. Bormuth, in cooperation with Federal-State Statisticians and cooperating State agencies, and under the general direction of B. H. Bennett, Head, Division of Dairy Statistics, Bureau of Agricultural Economics. All of the computations in this publication were made under the supervision of Jessie M. Cooley.

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TABLE 1 -- NET WHOLE MILK EQUIVALENT OF DAIRY PRODUCTS MANUFACTURED IN PLANTS, PERCENTAGE DISTRIBUTION BY MAJOR PRODUCTS, AND PER CAPITA ANNUAL WHOLE MILK EQUIVALENT, UNITED STATES, 1930-49

Year	Creamery butter	All whole milk and part skim cheese	Evaporated and condensed milk	Ice cream and other frozen products	Other milk products	Total of all whol milk products	[illegible] annual
	Percent	Percent	Percent	Percent	Percent	1,000 lb.	Pounds
1930	72.9	11.5	8.7	6.5	0.4	44.117.231	358.5
1931	74.9	11.1	8.2	5.5	.3	44,814,081	361.3
1932	76.1	10.9	8.6	4.1	.3	44,754,949	358.5
1933	75.5	11.7	8.8	3.7	.3	46,899,352	373.5
1934	73.6	12.6	8.9	4.6	.3	46,235,522	365.9
1935	71.3	13.6	9.6	5.1	.4	45,838,275	360.2
1936	69.4	13.7	10.4	6.1	.4	47,071.054	367.6
1937	69.0	13.8	9.8	7.1	.3	47,031,818	365.1
1938	69.4	14.1	9.7	6.4	.4	51,447,110	396.3
1939	69.0	13.7	9.9	6.9	.5	51,661,423	394.7
1940	67.5	14.4	10.8	6.8	.5	54,549,576	413.3
1941	62.7	16.0	13.0	7.6	.7	59,660,301	447.9
1942	58.3	18.4	13.6	8.8	.9	60,398,622	448.5
1943	59.5	17.5	12.8	7.7	2.5	56,748,402	415.8
1944	54.6	18.5	14.9	8.2	3.8	54,748,971	396.5
1945	49.7	20.3	16.3	9.4	4.3	54,870,932	393.1
1946	45.2	21.2	14.0	15.8	3.8	51,718,254	366.2
1947	47.9	21.2	14.2	13.5	3.2	55,519,970	385.5
1948	46.8	21.1	15.8	12.7	3.6	51,730,817	352.9
1949	51.5	21.8	12.2	11.7	2.8	54,954,748	368.3

Production of Total Cheese Highest on Record

Production of total cheese in 1949 was 1,200,011,000 pounds, the largest on record, showing a gain of 9 percent over 1948. Wisconsin had an unchallenged leadership in volume of cheese production; it produced 47 percent of the United States total. This is the highest proportion of the national production made by Wisconsin since 1946. New York's output in 1949 exceeded that of Illinois. This enabled New York to recapture second rank for the first time since 1940. Illinois ranked third; Missouri fourth; followed by Minnesota, Tennessee, Ohio, Indiana, Michigan, and Kentucky.

American Cheese Production Also Record High

American cheese production totaled 935,018,000 pounds in 1949 -- the highest on record, and showing a gain of 9 percent over 1948. However, the new record was only fractionally above the previous record of 1947. Wisconsin remained the undisputed leader in volume, with a production of 430,103,000 pounds. Missouri surpassed Illinois for the first time to gain the second position; it produced 64,114,000 pounds, Illinois was third, with 57,136,000 pounds. Other States in order of production were: Minnesota, 54,309,000 pounds; Tennessee, 41,333,000 pounds; New York, 39,354,000 pounds; Indiana, 38,910,000 pounds; Ohio, 26,380,000 pounds; Kentucky, 26,354,000 pounds; and Oregon, 24,264,000 pounds.

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Of the types of American cheese made in the United States, Cheddar is the most important, comprising 95 percent of the total American-type cheese made. Output of Cheddar totaled 885,114,000 pounds in 1949, a gain of 9 percent over 1948. Other types of American cheese are Colby, Washed Curd, Jack, and Monterey. Their combined production was 49,904,000 pounds, a gain of 18 percent over 1948.

Other Cheese Higher in Volume

For the first time in 4 years, the combined production of cheese other than American whole-milk cheese increased. The output of 264,993,000 pounds for 1949 was up 9 percent from the preceding year. Most of the major varieties of cheese in this group registered gains in output from 1948 to 1949. The principal exceptions were part-skim American, Limburger, Blue Mold, and miscellaneous varieties. Production of Swiss cheese in 1949 reached a new high record of 81,043,000 pounds, 15 percent above 1948 and 13 percent above the previous record in 1947. Output of Munster cheese was 10,098,000 pounds, the second highest on record and 22 percent above the production in 1948. Brick cheese production totaled 20,278,000 pounds, the highest since 1941 and 11 percent above the preceding year. Limburger cheese production during 1949 at 7,180,000 pounds was the lowest since 1943 and 2 percent less than the previous year. Output of Italian varieties of cheese totaled 55,127,000 pounds, the highest since 1946, the third highest on record, and 26 percent higher than in 1948. At 54,449,000 pounds, cream cheese output for 1949 was 3 percent higher than in the previous year. Output of Neufchatel cheese was 4,046,000 pounds, 5 percent higher than in the preceding year. Production of Blue Mold cheese at 8,141,000 pounds was the lowest since 1944 and down 12 percent from 1948. Unclassified varieties of cheese totaled 23,860,000 pounds -- the lowest total since 1944, and 7 percent below the preceding year.

Wisconsin led in the output of all classified varieties of cheese except cream and Neufchatel cheese. New York led in volume of cream cheese production, with Wisconsin ranking second. In output of Neufchatel cheese, Pennsylvania led and Wisconsin produced none. Wisconsin's proportion of the Nation's 1949 cheese production by varieties was as follows: Swiss, 60 percent; Munster, 95 percent; brick, 91 percent; Limburger, 49 percent; Italian, 50 percent; cream,27 percent; Blue Mold, 59 percent; and unclassified varieties, 28 percent.

Cottage cheese production for 1949 was the highest on record. Output of cottage cheese curd was 283,607,000 pounds, a gain of 11 percent over the previous year. Nearly one-third of the total United States output of both cottage cheese curd and creamed cottage cheese is produced in New York and California. Creamed cottage cheese production at 286,766,000 pounds was 15 percent higher than in 1948.

Evaporated Whole-Milk Production Sharply Lower

Production of evaporated whole milk during 1949 was 2,755,780,000 pounds, the lowest since 1940. However, gains in production over 1948 were shown by all regions except the South Central States. Wisconsin ranked first with 578,578,000 pounds, or 21 percent of the Nation's total. Other States in order of production were: Ohio, 280,213,000 pounds; California, 268,496,000 pounds; Kentucky, 199,816,000 pounds; Illinois, 166,052,000 pounds; Missouri, 163,396,000 pounds; Tennessee, 128,829,000 pounds; Michigan, 127,756,000 pounds; Indiana, 94,641,000 pounds; and Idaho, 74,349,000 pounds; Kentucky was one of the few States in which the output increased and its rank changed from seventh to fourth from 1948 to 1949. On the other hand, Missouri's production dropped from fourth to sixth place.

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Canned condensed whole-milk output for 1949 was 100,902,000 pounds, down 20 percent from the previous year. States in order of production were: Michigan, Wisconsin, Oregon, Mississippi, New York, and California.

Output of plain condensed whole milk was 202,073,000 pounds for 1949 -- 1 percent higher than in the previous year. Production of sweetened condensed whole milk totaled 48,085,000 pounds, a gain of 6 percent from the preceding year.

Production of Ice Cream Declines for Third Successive Year

Production of ice cream in 1949 totaled 556,654,000 gallons, a decrease of 3 percent from 1948 and 2 percent from the 1944-48 average. This was the third successive year since the peak in 1946 that national output of ice cream has been lower than for the preceding year. Production is still considerably larger than prewar, however, when it averaged around 315,000,000 gallons annually.

The decline in the 1949 production of ice cream was rather general. Only nine States -- New York, Pennsylvania, Wisconsin, Louisiana, Montana, Idaho, Colorado, Nevada, and Oregon -- reported a larger output than in 1948. The increase in most of these States was small.

Production of ice cream for wholesale distribution in 1949 totaled 506,803,000 gallons and for retail distribution 49,851,000 gallons. The output in both of these categories declined; the decrease in wholesale production was 3 percent, and in retail production it was 2 percent.

Output of Milk Sherbet and Ice Milk Increases

In contrast to the trend in ice-cream production, output of both milk sherbet and ice milk in 1949 was substantially larger than in 1948. Totaling 13,573,000 gallons, the production of milk sherbet was the largest since 1945 when a peak of 65,177,000 gallons was reached. Although the output in 1949 was sharply below that of the war years, the expansion in the last few years has been steady, and it appears to be of a more permanent nature than the rapid increases of 1943, 1944, and 1945. Those 3 years were war years when the limitation on use of butterfat in the production of ice cream caused manufacturers to hold back their output of ice cream and increase without limitation the production of such frozen dairy foods as milk sherbet and ice milk that did not require as much butterfat as ice cream.

The production of ice milk in 1949 totaled 25,455,000 pounds, a gain of 30 percent over 1948 and a new high record output for one year. Although the production of ice milk is widely distributed, the largest part is made in the West. The three Pacific Coast States -- California, Oregon, and Washington -- produced more than half of the total in 1949; California alone made about 43 percent of output.

Production of Other Frozen Dairy Foods

Before 1949, separate figures were collected and published on the production of frozen custards and frosted or frozen malted milk. Beginning with the year 1949 and because of the difficulty in obtaining a clearly defined classification for these two products, all frozen dairy products (other than ice cream, milk sherbet, and ice milk) were placed together in one category under the designation of "Other Frozen Dairy Products." Production for the year totaled 7,103,000 gallons. In

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1948, the combined production of frozen custards and frosted or frozen malted milk totaled 4,986,000 gallons. Although it is not possible to make absolute comparisons between the combined production of frozen custards and frosted or frozen malted in 1948 with the production of "Other Frozen Dairy Products" in 1949, the comparison is sufficiently sound to indicate a rather sharp expansion in th production of miscellaneous frozen dairy products in 1949 over 1948.

Ice-Cream Mix

The Bureau of Agricultural Economics has been collecting data on the production of ice-cream mix in a few States for several years. In order to get a more comprehensive figure the 1949 survey of the ice-cream industry was extended to cover the production of ice-cream mix in all States. The collected data indicated a 1949 production of 299,528,000 gallons. Not all of this mix was used in ice cream, as some undetermined quantities were used for the production of "frosted or frozen malteds" and possibly some other miscellaneous frozen dairy products. This inquiry will be continued and the data should be more useful when year-to-year comparisons can be made.

Water Ices

In 1949, for the first time, an inquiry on the production of water ices was added to the questionnaire used by the Bureau in its survey of the ice-cream industry. Reports from the industry indicated that, in 1949, a total of 19,342,000 gallons of water ices was made by ice-cream manufacturers. Because of the absence of data, no comparison of this figure can be made with either the production in 1948 or in preceding years but from reports received informally from the trade, it is believed that the production was somewhat larger in 1949 than in 1948.

Skim-Milk Products Up Sharply

Total skim-milk equivalent of all manufactured dairy products for 1949 at 16,398,000,000 pounds was the highest on record and 25 percent above the previous year. The gain was largely the result of an increase of nearly 2 billion pounds used in nonfat dry-milk solids. Wisconsin held a substantial lead in the quantity of total skim-milk equivalent used in manufactured dairy products -- 3,564,106,000 pounds, or 22 percent of the United States total. Minnesota came second with 2,480,880,000 pounds, or 15 percent of the total. Other leading States in order of their rank were: New York, California, Michigan, Ohio, Indiana, Missouri, Illinois, Pennsylvania, and Iowa.

Nonfat Dry-Milk Solids Record High for Sixth Successive Year

Nonfat dry-milk solids produced in 1949 totaled 933,662,000 pounds, a new high record which was 37 percent above the figure for the preceding year. Spray-dried nonfat milk solids totaled 629,341,000 pounds, a gain of 44 percent from the previous year. Roller-dried nonfat milk production totaled 304,321,000 pounds, an increase of 24 percent from 1948. Production of total nonfat dry-milk solids showed a gain from 1948 to 1949 in all States except Idaho where output was only slightly lower.

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TABLE 2 -- SKIM MILK EQUIVALENT OF MANUFACTURED SKIM AND BUTTERMILK PRODUCTS, UNITED STATES, 1934-49

Year	Full skim American cheese	Cottage pot & bakers' cheese	Condensed and evaporated skim milk	Concentrated skim milk (for animal feed)	Nonfat dry milk solids	Dry casein	Cond. & dried buttermilk	Total
	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.
1934	2	645	789	38	3,244	1,333	787	6,838
1935	4	685	899	54	3,273	1,344	760	7,019
1936	4	750	1,048	38	3,845	1,647	828	8,160
1937	3	827	1,129	30	4,094	2,409	849	9,341
1938	3	896	1,192	40	4,942	1,733	971	9,777
1939	4	1,042	1,132	35	4,492	1,459	997	9,161
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	7,261	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	1,772	2,327	42	10,504	655	1,078	16,398

Dry Buttermilk Output Largest Since 1945

Dry buttermilk production for 1949 was 49,359,000 pounds, the largest total since 1945; it was up 18 percent from the preceding year. Volume of Minnesota's production was practically unchanged from the preceding year but it still maintained an impressive lead over any other State with an output of 19,646,000 pounds. Iowa ranked second with a production of 7,886,000 pounds -- a gain of 32 percent from 1948.

Dry-Casein Production Higher

Dry-casein production was 18,348,000 pounds for 1949, showing a gain of 28 percent over 1948. New York regained first rank in output, following 3 years during which California held the lead. New York made 4,188,000 pounds in 1949, a gain of 34 percent from 1948. California, with 4,059,000 pounds, was 20 percent below the preceding year. Minnesota ranked third, Wisconsin fourth, and Vermont fifth.

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Dry Whey At Record High

Production of dry whey showed a sharp gain over 1948, establishing a new high record of 158,957,000 pounds. Wisconsin maintained a substantial lead over any other State with an output of 76,216,000 pounds. Minnesota, the second State, produced 18,439,000 pounds.

Condensed Skim Milk (Bulk Goods)

Plain condensed skim milk for 1949 was the highest on record, whereas sweetened condensed skim milk was the lowest since before the war. At 535,844,000 pounds, volume of plain condensed skim milk was 8 percent above the preceding year. Wisconsin, with 104,477,000 pounds of plain condensed skim milk ranked first in output. Other States in order of their volume are: New York, California, Kansas, Illinois, Pennsylvania, Michigan, Missouri, Ohio, and Virginia. The output in the United States of sweetened condensed skim milk was 218,209,000 pounds for 1949, 9 percent less than in the preceding year. Pennsylvania ranks first with 39,529,000 pounds, followed by New York, Wisconsin, Illinois,and Ohio.

Milk Sugar Production Slightly Lower

Crude milk sugar production for 1949 totaled 24,033,000 pounds, down 2 percent from the preceding year. Refined milk sugar, technical grade, at 4,466,000 pounds, made a gain in volume of 35 percent. Production of refined milk sugar, U.S.P. grade, was 8,592,000 pounds, marking a decline from 1948 of 9 percent.

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TABLE 3 -REVISIONS, MANUFACTURED DAIRY PRODUCTS, BY MONTHS, UNITED STATES, 1948 1/

Product	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1948
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter 2/	3,224	80,051	77,892	90,350	100,806	133,095	134,364	125,137	115,871	95,575	91,872	80,353	84,958	1,210,324
American type cheese:														
Cheddar 3/	1,671	42,560	44,644	55,372	68,369	98,265	101,365	90,601	86,319	68,400	59,484	46,668	50,072	812,120
Total American cheese 4/	1,759	44,951	46,955	58,160	72,083	103,926	107,287	95,556	90,159	71,476	62,225	49,087	52,562	854,447
All Italian varieties of cheese 5/	141	3,414	3,465	4,975	3,941	4,191	3,622	3,028	2,840	2,823	3,347	3,540	4,393	43,579
Total cheese 6/	2,295	63,742	65,186	80,259	94,018	129,753	131,872	114,677	108,520	89,417	81,547	67,335	72,060	1,098,366
Full-skim American type cheese 7/	21	35	110	108	191	240	360	336	172	97	55	29	21	1,754
Cottage cheese (curd) 8/	1,582	17,607	19,372	22,540	22,355	24,723	25,233	23,612	22,093	20,763	20,132	18,768	18,441	255,639
Cottage cheese (creamed) 9/	1,240	18,685	19,792	22,560	21,624	22,105	21,982	22,545	21,187	20,151	20,311	19,397	18,897	249,236
Condensed milk (sweetened):														
Bulk goods (skimmed) 10/	263	10,862	9,991	13,395	22,287	41,156	42,407	30,957	23,411	15,120	10,517	8,652	10,535	239,290
(unskimmed) 11/	107	2,844	2,895	3,635	3,924	7,647	4,799	4,983	4,844	3,533	2,781	2,424	1,233	45,542
Plain condensed milk (unsweetened):														
Bulk goods (skimmed) 12/	385	31,205	35,697	39,876	38,972	44,570	49,980	52,297	48,297	45,258	36,415	36,009	35,460	494,036
(unskimmed) 13/	132	11,736	12,928	18,243	20,221	21,667	23,692	23,932	21,784	17,637	12,616	7,961	8,028	200,485
Dry buttermilk 14/	248	3,167	2,936	3,608	3,865	4,600	4,811	4,057	3,401	2,708	2,730	2,648	3,108	41,839
		1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.
Frozen products:														
Ice cream (wholesale) 15/	3,787	27,940	28,330	40,094	46,047	50,768	60,647	66,389	60,324	50,879	33,554	31,616	28,580	525,168
Ice cream (retail) 16/	12,179	2,454	2,517	3,416	4,273	4,909	6,074	6,898	6,394	4,998	3,399	3,006	2,755	51,093
Total ice cream 17/	14,993	30,394	30,847	43,510	50,320	55,677	66,721	73,287	66,718	55,877	36,953	34,622	31,335	576,261
Frozen custard 18/	402	51	54	78	122	147	210	229	252	192	120	83	71	1,609
Frosted or frozen malted milk 19/	1,336	137	151	219	269	328	405	462	449	348	243	198	168	3,377

1/ For revised annual totals by States, see table 7. Some State totals may not be shown if there were less than 3 plants reporting. Revisions shown in following States: 2/ Pennsylvania, Missouri, and South Dakota. 3/ Arkansas. 4/ Arkansas. 5/ Utah. 6/ Arkansas and Utah. 7/ Utah. 8/ Missouri. 9/ Missouri and Oregon. 10/ Missouri. 11/ Missouri. 12/ Missouri and North Carolina. 13/ Wisconsin and Missouri. 14/ South Dakota. 15/ New Hampshire, New York, and Pennsylvania. 16/ New Hampshire, Massachusetts, New York, Ohio, Minnesota, Missouri, South Dakota, Maryland, Virginia, North Carolina, Florida, Alabama, Oregon. 17/ New Hampshire, Massachusetts, New York, Pennsylvania, Ohio, Minnesota, Missouri, South Dakota, Maryland, Virginia, North Carolina, Florida, Alabama, and Oregon. 18/ New Hampshire, Massachusetts, New York, Ohio, Minnesota, Missouri, South Dakota, Kansas, Maryland, Virginia, North Carolina, Florida, and Alabama. 19/ New York and District of Columbia.

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TABLE 4.-PRODUCTION OF MANUFACTURED DAIRY PRODUCTS IN THE UNITED STATES, 1940-1949

Product	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter 1/	1,836,826	1,872,183	1,764,054	1,673,788	1,488,502	1,363,717	1,171,339	1,329,094	1,210,324*	1,412,101
Renovated or process butter	2,672	3,195	3,768	2,940	6,406	2,345	1,441	1,219	1,090	1,419
American cheese:										
Whole milk	602,790	753,122	916,850	765,089	804,787	875,084	801,264	932,718	854,447*	935,018
Part skim	3,890	4,139	3,759	4,670	2,348	1,098	2,696	4,906	3,987	771
Swiss cheese (including block)	48,659	55,962	52,561	45,626	45,571	50,065	55,695	71,612	70,665	81,043
Brick & Munster cheese	34,328	32,066	28,798	27,978	27,435	14,756	17,678	26,533	26,506	30,378
Limburger cheese	8,198	8,088	8,441	6,853	7,510	8,777	9,548	7,753	7,358	7,180
Cream & Neufchatel cheese	2/51,183	2/50,012	2/47,554	70,451	60,440	66,912	78,803	66,503	56,816	58,495
All Italian varieties of cheese	25,002	34,363	34,916	43,003	41,762	64,628	75,388	38,100	43,579*	55,127
Blue mold cheese	3/	3/	3/	8,036	6,835	9,828	12,451	10,580	9,289	8,141
All other varieties of cheese	11,440	18,489	19,435	21,788	20,659	25,624	52,824	24,241	25,719	23,860
Total cheese 4/	785,490	956,161	1,112,314	993,294	1,017,247	1,116,772	1,106,347	1,182,946	1,098,366*	1,200,011
Full-skim Am. type cheese	247	416	1,001	2,337	2,628	2,172	2,367	2,153	1,754*	1,251
Cottage, pot, & bakers' cheese	174,257	187,595	196,799	213,910	224,374	284,774	5/	5/	5/	5/
Cottage cheese (curd) 6/	-	-	-	-	-	-	246,303	215,302	255,639*	283,607
Cottage cheese (creamed) 6/	-	-	-	-	-	-	209,893	230,597	249,236*	286,766
Condensed milk (sweetened):										
Case goods (skimmed)	1,872	2,334	4,839	697	102	216	302	243	362	-
(unskimmed)	61,955	114,772	62,453	117,247	139,145	143,306	113,906	164,733	126,295	100,902
Bulk goods (skimmed)	166,017	173,658	225,840	306,899	374,840	519,188	818,076	541,813	239,290*	218,209
(unskimmed)	76,136	79,299	75,382	66,588	63,586	77,016	69,750	82,553	45,542*	48,085
Plain condensed milk (unsweetened):										
Bulk goods (skimmed)	246,910	326,535	318,379	325,512	363,771	454,443	487,219	403,194	494,036*	535,844
(unskimmed)	128,017	113,965	125,880	102,452	119,403	128,875	98,471	174,525	200,485*	202,073
Evaporated milk (unsweetened):										
Case goods (unskimmed)	2,464,668	3,246,547	3,518,504	3,057,274	3,428,089	3,776,383	3,050,643	3,208,027	3,382,893	2,755,780
Condensed or evaporated buttermilk	111,842	128,183	169,999	167,338	157,503	160,441	226,708	189,135	170,954	178,383
Dry whole milk	29,409	45,627	62,167	137,766	177,754	217,276	188,406	164,888	170,087	125,541
Nonfat dry milk solids for human food	321,843	366,455	565,414	509,620	582,912	642,546	653,465	677,941	681,532	933,662
Dry skim milk for animal feed	159,962	110,042	61,148	24,279	16,407	17,508	13,704	22,149	13,145	21,244
Dry buttermilk	67,931	75,614	69,637	60,995	56,683	49,578	38,627	45,437	41,839*	49,359
Dry cream	54	43	54	216	193	203	567	320	312	178
Dry casein	46,616	47,346	42,268	18,386	15,264	12,333	18,319	35,831	14,372	18,348
Malted milk powder	20,021	23,242	34,679	49,435	40,549	42,751	45,029	37,354	31,361	25,400
	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.
Total ice cream	318,088	390,175	464,146	411,626	444,198	476,357	713,594	628,903	576,261*	556,654

* Revised.
1/ Includes whey butter.
2/ Cream cheese only.
3/ Included in "All Other Varieties of Cheese" prior to 1943.
4/ Excludes full skim cheddar and cottage cheese.
5/ Data not gathered on comparable basis with previous years. See cottage cheese curd and creamed cottage cheese.
6/ 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.

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TABLE 5.--PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY MONTHS, UNITED STATES, 1949

Manufactured product	Total plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
	- -	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter	3,340	92,348	93,569	111,633	124,616	161,898	159,637	135,251	129,695	114,827	103,556	92,297	96,665	1,412,101
Renovated or process butter	"	144	142	135	132	107	82	80	89	119	149	109	132	1,419
American type cheese:														
Cheddar	1,804	54,290	54,957	67,444	81,564	112,912	110,472	93,171	84,141	70,715	58,678	46,318	48,492	883,114
Other Am. varieties (whole milk) 1/	176	3,196	2,994	3,730	4,578	5,123	5,666	4,675	4,134	4,298	4,349	3,633	3,400	49,904
Total Am. cheese (whole milk) 2/	1,982	57,486	57,953	71,174	86,142	118,035	116,138	97,846	88,269	74,973	62,829	51,741	51,892	935,018
Part skim	16	53	54	64	87	116	76	30	45	117	56	60	54	772
Swiss cheese (including block)	277	3,967	4,085	5,941	7,121	9,825	9,517	8,616	8,317	7,092	6,192	5,401	5,209	81,043
Munster cheese	71	802	792	1,103	1,027	885	823	666	695	662	859	916	938	10,068
Brick cheese	153	1,836	1,617	1,852	1,855	2,330	1,796	1,501	1,371	1,314	1,179	1,696	1,499	20,278
Limburger cheese	44	580	626	765	612	596	490	490	497	629	611	690	652	7,180
All Italian varieties of cheese	159	3,994	4,118	5,698	5,137	5,190	4,235	3,886	4,004	4,192	3,867	4,214	5,398	55,127
Cream cheese 3/	41	4,966	4,518	5,183	4,508	4,555	4,200	3,753	4,201	4,265	4,285	4,792	5,169	54,599
Neufchatel cheese 4/	23	351	297	452	360	325	339	274	325	349	316	524	336	4,046
Blue mold cheese	22	800	765	698	865	985	816	572	451	455	549	528	679	8,141
All other varieties of cheese	112	2,197	1,838	2,231	2,273	2,124	1,817	1,648	1,881	2,084	2,084	1,933	1,790	25,660
Total cheese 5/	2,208	77,032	76,939	95,121	110,987	145,368	140,249	119,292	109,624	96,130	82,966	72,281	74,026	1,200,011
Full-skim Am. type cheese	19	29	65	86	95	121	78	124	154	207	111	96	125	1,251
Cottage cheese (curd)	1,738	19,666	21,138	27,377	25,296	27,647	26,783	25,266	23,939	22,775	22,456	20,987	20,497	283,607
Cottage cheese (creamed)	1,134	20,479	20,987	27,756	25,706	26,381	26,611	25,073	24,334	22,522	22,822	22,154	21,819	285,766
Condensed milk (sweetened):														
Case goods (unskimmed)	16	9,209	10,886	12,999	13,670	10,481	9,749	8,132	7,959	5,721	4,580	4,543	4,941	100,902
Bulk goods (skimmed)	255	12,480	12,431	15,495	23,127	35,596	29,996	22,319	19,675	16,348	12,360	9,551	10,333	219,209
(unskimmed)	106	2,435	2,350	2,519	3,066	4,160	3,953	4,069	5,149	4,854	5,107	5,753	2,770	46,085
Plain condensed milk (unsweetened):														
Bulk goods (skimmed)	385	36,248	34,766	41,252	45,043	57,218	60,389	56,144	53,253	42,629	40,661	35,055	32,712	535,844
(unskimmed)	129	9,278	10,066	15,540	17,803	20,434	21,241	26,282	25,737	18,042	13,978	12,161	12,011	202,073
Evaporated milk (unsweetened):														
Case goods (skimmed)	"	1,933	1,863	1,565	1,096	2,451	2,699	2,022	2,674	1,498	1,430	1,653	704	21,612
(unskimmed)	132	156,513	160,661	215,893	266,766	358,577	350,254	306,989	273,573	214,833	168,754	133,540	149,347	2,755,780
Concentrated skim milk for animal feed	15	185	1,056	1,100	1,665	2,462	1,465	1,334	1,075	899	627	435	570	13,873
Condensed or evaporated buttermilk	105	9,473	9,899	13,229	15,341	15,115	18,889	16,586	16,565	15,522	15,011	14,049	14,904	178,385
Dry whole milk	80	10,900	8,733	10,859	11,592	14,402	11,672	12,128	10,076	10,087	8,262	7,112	9,540	125,961
Nonfat dry milk solids:														
Spray process	309	40,710	42,451	54,900	64,620	77,601	72,423	59,881	54,696	44,334	38,899	36,853	63,079	629,341
Roller process	231	14,812	17,184	26,065	33,800	46,029	41,697	30,646	25,157	19,870	16,173	14,097	18,563	304,171
Total for human food	456	55,602	59,865	80,995	98,420	123,636	114,120	90,527	79,853	64,204	54,670	50,148	81,642	933,642
Dry skim milk for animal feed	235	1,530	1,348	1,901	2,354	2,927	2,842	2,172	1,599	1,290	1,148	1,000	1,193	21,284
Pure skim dry milk solids	"	-	-	-	-	7	5	2	52	99	127	17	-	252
Dry ice cream mix 6/	14	261	586	1,261	1,647	2,495	2,466	1,511	1,016	484	1,044	538	939	14,328
Dry buttermilk	250	3,410	3,600	4,788	4,884	5,662	5,599	4,582	3,950	3,421	2,984	3,046	3,509	49,359
Dry cream	"	12	7	9	17	7	6	7	24	28	26	11	24	178
Dry whey	61	10,850	12,828	16,845	12,572	17,859	15,645	14,150	15,082	12,758	9,493	10,394	9,823	158,997
Dry casein	52	922	1,462	1,815	2,390	3,153	2,536	1,916	1,147	846	805	800	1,070	18,348
Malted milk powder	11	1,434	1,709	2,487	2,176	2,317	2,494	1,774	2,104	2,446	2,320	2,181	1,956	25,400
Milk sugar (crude)	13	2,184	1,568	2 087	2,053	2,539	2,098	2,154	1,537	1,460	1,543	1,987	3,069	24,033
Milk sugar (refined, technical grade)	7/	306	454	318	350	209	367	565	299	167	484	583	808	4,466
Milk sugar (refined, U.S.P. grade)	7/	652	780	1,176	933	840	689	849	718	846	563	850	900	8,992
		1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.
Frozen products: 8/														
Ice cream (wholesale)	3,328	26,889	29,178	37,909	41,596	51,832	60,568	62,649	60,826	42,596	35,356	30,743	28,631	406,803
Ice cream (retail)	12,970	2,452	2,613	3,401	4,051	5,051	6,190	6,414	6,201	4,267	3,472	2,820	2,661	49,493
Total ice cream	15,990	29,317	31,791	41,310	45,647	56,854	66,758	69,133	67,027	46,863	38,828	33,563	31,292	456,296
Sherbet (milk)	3,729	477	568	811	1,094	1,487	1,837	2,099	1,473	1,225	893	789	557	13,973
Ice milk	2,670	1,000	1,164	1,643	2,199	2,552	3,059	3,074	2,143	2,108	1,960	1,697	1,192	25,695
Other frozen dairy products 9/	1,799	227	275	430	532	762	964	1,031	919	725	534	585	269	7,103
Water ices	1,847	205	268	614	2,161	3,551	3,952	3,623	2,843	923	507	300	395	19,342
Ice cream mix	3,589	15,690	16,771	22,162	24,612	30,670	37,086	37,612	36,342	29,117	20,920	11,924	15,822	299,528

* Less than 5 plants reporting.
1/ Includes Colby, Washed Curd, High and Low Moisture Jack, Monterey, and Granular.
2/ Comparable with data published prior to 1949 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/ Number of plants not available.
8/ The production shown for frozen products includes that made by all types of plants for both wholesale and retail.
9/ Previous to 1949, separate figures were published on the production of frozen custards and frosted or frozen malted milk. Beginning with 1949, these two classifications were dropped and the production of frozen custards and frosted or frozen malted milk that did not meet the minimum standards for ice cream is listed where produced were included in the classification "Other Frozen Dairy Products." Because of this, the 1949 production of "Other Frozen Dairy Products" is not comparable with similar classification in preceding years.

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TABLE 6 --PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY GEOGRAPHIC DIVISIONS, UNITED STATES, 1948-49

Manufactured products	New England		Middle Atlantic		East North Central		West North Central		South Atlantic		South Central		Mountain		Pacific		U. S. Total		Percent change
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	
	1000 lb.		1000 lb.		1000 lb.		1000 lb.		1000 lb.		1000 lb.		1000 lb.		1000 lb.		1000 lb.		
Creamery butter	1,915	1,100	42,624	24,386*	412,800	284,483	712,974	673,947*	16,507	14,290	94,187	90,474	55,763	57,939	75,331	63,705	1,412,101	1,210,324*	+ 17
American type cheese:																			
Cheddar	780	756	34,553	22,727	542,072	495,145	139,706	126,612	2,198	2,126	110,335	104,755*	27,109	28,765	28,361	31,234	885,114	818,120*	+ 9
Other Am. varieties (whole milk) 1/	711	671	6,104	5,711	35,827	27,964	972	579	-	-	-	-	2,210	1,281	4,080	3,121	49,904	42,327	+ 18
Total Am. cheese (whole milk) 2/	1,491	1,427	40,657	31,438	577,899	523,109	140,678	127,191	2,198	2,126	110,335	104,755*	29,319	30,046	32,441	34,355	935,018	854,447*	+ 9
Part skim	-	-	48	83	254	2,639	65	355	-	-	14	112	384	294	6	504	771	3,987	- 81
Swiss cheese (including block)	-	-	616	708	70,751	60,301	476	457	1	14	-	-	9,179	9,089	20	96	81,043	70,665	+ 15
Munster cheese	-	-	156	-	9,942	8,308	-	-	-	-	-	-	-	-	-	-	10,098	8,308	+ 22
Brick cheese	-	-	26	17	19,817	18,052	387	116	-	-	-	-	-	-	48	13	20,278	18,198	+ 11
Limburger cheese	-	-	1,753	1,342	5,275	5,792	152	187	-	-	-	-	-	37	-	-	7,180	7,358	- 2
All Italian varieties of cheese	1,284	1,230	19,583	17,625	32,343	22,990	140	379	-	-	-	-	658	714*	1,119	641	55,127	43,579*	+ 26
Cream cheese 3/	1,442	1,519	22,715	22,930	22,136	18,942	65	129	-	-	4,068	5,370	-	1	3,983	4,084	54,449	52,975	+ 3
Neufchatel cheese 3/	21	10	4,020	3,797	-	-	-	20	-	-	-	-	-	-	5	14	4,046	3,841	+ 5
Blue mold cheese	-	-	9	7	5,961	6,804	1,378	1,671	-	-	6	1	-	-	787	806	8,141	9,289	- 12
All other varieties of cheese	1,226	1,886	7,982	7,513	11,709	12,015	123	45	-	-	307	350	742	709	1,775	3,201	23,860	25,719	- 7
Total cheese 5/	5,464	6,072	97,565	85,460	756,127	678,952	143,464	130,550	2,199	2,140	114,726	110,588*	40,282	40,890*	40,184	43,714	1,200,011	1,098,366*	+ 9
Full-skim Am. type cheese	486	270	84	133	383	774	270	541	-	-	19	1	2	35*	7	-	1,251	1,754*	-29
Cottage cheese (curd)	12,799	8,734	59,668	58,982	84,152	78,260	28,310	27,083*	9,595	7,648	17,700	10,921	6,470	7,193	62,913	56,798	283,607	255,639*	+ 11
Cottage cheese (creamed)	11,781	6,661	37,996	28,920	79,779	77,453	27,808	25,755*	9,386	8,115	17,437	13,021	9,115	8,093	93,464	81,218*	286,766	249,236*	+15
Condensed milk (sweetened):																			
Case goods (skimmed)	-	-	-	-	-	360	-	-	-	-	-	-	-	-	-	2	-	362	-
(unskimmed)	-	-	13,032	16,806	53,792	72,179	329	14	-	-	13,423	12,637	-	-	20,626	24,659	100,902	126,295	- 20
Bulk goods (skimmed)	4,035	7,451	66,811	54,543	95,784	123,309	18,205	23,975*	10,741	11,446	7,573	5,837	2,317	901	12,746	11,838	218,209	239,290*	- 9
(unskimmed)	276	1,320	6,163	6,178	27,979	18,196	9,872	14,412*	1,003	821	1,863	2,645	-	-	989	1,970	48,085	45,542*	+ 6
Plain condensed milk (unsweetened):																			
Bulk goods (skimmed)	12,076	9,486	95,138	95,567	194,975	179,298	76,842	83,778*	38,801	24,859*	47,155	40,904	6,071	3,492	64,786	56,652	535,844	494,036*	+ 8
(unskimmed)	8,766	9,591	78,941	58,888	65,399	84,101*	4,523	18,889*	20,057	16,712	2,695	1,225	1,588	638	20,104	10,441	202,073	200,485*	+ 1
Evaporated milk (unsweetened):																			
Case goods (skimmed)	-	-	-	-	21,154	17,287	458	60	-	-	-	-	-	-	-	1,144	21,612	18,491	17
(unskimmed)	-	-	110,729	123,495	1247,240	1,709,658	286,713	348,519	158,369	166,560	445,739	428,108	158,009	172,994	348,981	433,559	2,755,780	3,382,893	- 19
Concentrated skim milk for animal feed	-	-	3,524	3,946	3,833	11,479	6,487	6,640	-	-	-	-	-	-	29	568	13,873	22,633	- 39
Condensed or evaporated buttermilk	-	-	4,177	3,382	76,963	64,232	79,074	88,287	458	243	16,058	13,165	1,356	1,408	332	237	178,383	170,954	+ 4
Dry whole milk	764	1,001	23,076	15,918	73,252	101,181	20,218	35,285	41	-	597	496	482	1,342	7,111	14,864	125,541	170,087	-26
Nonfat dry milk solids:																			
Spray process	13,812	5,963	56,825	32,669	271,346	169,556	178,988	144,238	7,016	2,962	5,447	3,425	36,370	35,788	59,537	41,470	629,341	436,071	+ 44
Roller process	7,776	1,501	48,307	25,107	153,094	130,429	69,673	69,424	7,166	4,032	5,409	4,707	332	744	14,364	9,517	304,321	245,461	+ 24
Total for human food	21,588	7,464	105,132	57,776	422,440	299,985	248,661	213,662	14,182	6,994	10,856	8,132	36,702	36,532	73,901	50,987	933,662	681,532	+37
Dry skim milk for animal feed	795	515	3,241	1,163	8,511	4,581	4,179	3,256	796	596	809	990	448	423	2,465	1,621	21,244	13,145	+ 62
Dry buttermilk	19	3	346	148	11,277	7,241	34,482	31,558*	70	148	1,517	1,603	687	587	961	553	49,359	41,839*	+ 18
Dry cream	-	-	8	148	90	107	80	57	-	-	-	-	-	-	-	-	178	312	- 43
Dry whey	-	-	14,191	10,949	94,036	71,546	23,249	18,403	-	-	2,431	3,076	7,775	6,000	17,275	15,211	158,957	125,185	+ 27
Dry casein	1,076	435	4,402	3,126	3,676	2,133	4,364	2,059	-	-	180	195	351	379	4,299	6,045	18,348	14,372	+ 28
	1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		
Frozen products: 6/																			
Ice cream (wholesale)	33,415	34,061*	124,006	124,944*	114,391	118,072	54,336	56,882	59,742	63,290	62,348	66,073	14,334	14,922	44,181	46,924	506,803	525,168*	- 3
Ice cream (retail)	2,596	2,808*	13,992	12,930*	14,129	15,110*	4,411	4,717*	2,840	1,290*	2,426	2,861*	2,399	2,319	7,058	7,068*	49,851	51,093*	- 2
Total ice cream	36,011	36,869*	137,998	137,874*	128,520	133,182*	58,797	61,599*	62,582	66,580*	64,774	68,934*	16,733	17,241	51,239	53,982*	556,654	576,261*	- 3
Sherbet (milk)	654	466	1,373	1,692	3,112	2,490	1,241	978	2,011	1,501	2,248	2,621	381	333	2,553	2,130	13,573	12,211	+11
Ice milk	502	516	30	175	2,269	1,743	1,543	1,008	2,368	1,671	3,704	2,258	1,860	1,210	7/13,179	7/11,004	25,455	19,585	+30
Frozen custards 8/	-	153	-	251	-	505	-	195	-	92	-	177	-	160	-	76	-	1,609*	
Frosted or frozen malted milk 8/	-	29	-	174	-	891	-	679	-	613	-	600	-	147	-	244	-	3,377*	
Other frozen dairy products 8/	253	-	585	-	2,061	-	1,332	-	862	-	1,389	-	491	-	130	-	7,103	-	
Water ices 9/	1,322	-	4,960	-	3,555	-	1,163	-	1,515	-	2,031	-	344	-	4,452	-	19,342	-	
Ice cream mix 9/	19,686	-	72,774	-	69,763	-	31,830	-	32,832	-	36,628	-	8,864	-	27,151	-	299,528	-	

* Revised. 1/ Includes Colby, Washed Curd, High and Low Moisture Jack, Monterey, and Granular. 2/ Comparable to data published prior to 1944 under designation of American Cheddar cheese.
3/ Not less than 33 percent butterfat. 4/ Butterfat content ranges from 20 to 32 percent, inclusive. 5/ Excluding full-skim American and cottage cheese.
6/ The production shown for frozen products includes that made by all types of plants for both wholesale and retail. 7/ Includes substandard ice cream in Oregon.
8/ Previous to 1949, separate figures were published on the production of frozen custards and frosted or frozen malted milk. Beginning with 1949, these two classifications were dropped and the production of frozen custards and frosted or frozen malted milk that did not meet the minimum standards for ice cream in States where produced were included in the classification: "Other Frozen Dairy Products." Because of this, the 1949 production of "Other Frozen Dairy Products" is not comparable with similar classification in preceding years.
9/ Not available for previous years.

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TABLE 7-PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY STATES, 1949 and 1948

Manufactured product	Alabama		Arizona		Arkansas		California		Colorado		Connecticut		Delaware	
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter	50	8/	702	635	6,868	6,493	56,734	26,264	13,662	14,077	8/	8/	-	-
American type cheese:														
Cheddar	2,997	3,006	8/	8/	11,331	11,201*	680	1,268	955	444	-	-	-	-
Other Am. varieties (whole milk) 1/	-	-	-	-	-	-	3,450	2,849	129	-	8/	8/	-	-
Total Am. cheese (whole milk) 2/	2,997	3,006	8/	8/	11,331	11,201*	4,130	4,117	1,084	444	8/	8/	-	-
Part skim	-	-	8/	8/	-	-	8/	504	8/	8/	-	-	-	-
Swiss cheese (including block)	-	-	-	-	-	-	8/	8/	-	-	-	-	-	-
Munster cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brick cheese	-	-	-	-	-	-	47	8/	-	-	-	-	-	-
Limburger cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Italian varieties of cheese	-	-	-	-	-	-	1,101	613	502	512	8/	8/	-	-
Cream cheese 3/	-	-	-	-	-	-	2,919	3,755	-	8/	-	-	-	-
Neufchatel cheese 4/	-	-	-	-	-	-	8/	8/	-	-	-	-	-	-
Blue mold cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other varieties of cheese	-	-	622	688	-	-	1,356	1,303	120	8/	-	-	-	-
Total cheese 5/	2,991	3,006	9/635	9/701	11,331	11,201*	9/9,573	9/10,320	9/2,088	9/1,259	8/280	8/174	-	-
Full-skim Am. type cheese	-	-	-	-	-	-	8/	-	8/	8/	-	-	-	-
Cottage cheese (curd) 6/	392	176	981	1,121	682	593	49,294	43,963	2,969	2,432	753	196	8/	8/
Cottage cheese (creamed) 6/	263	8/	1,438	1,661	8/	8/	72,217	63,126	1,767	1,667	790	408	-	-
Condensed milk (sweetened):														
Case goods (unskimmed)	-	-	-	-	-	-	5,121	10,720	-	-	-	-	-	-
Bulk goods (skimmed)	-	-	-	-	8/	8/	6,672	7,992	2,317	8/	8/	-	-	-
(unskimmed)	-	-	-	-	8/	-	489	465	-	-	8/	8/	-	-
Plain condensed milk (unsweetened):														
Bulk goods (skimmed)	2,489	8/	8/	8/	8/	563	62,981	56,033	580	8/	264	8/	-	-
(unskimmed)	-	-	-	-	-	-	15,951	6,275	8/	-	8/	8/	-	-
Evaporated milk (unsweetened):														
Case goods (unskimmed)	-	-	8/	8/	8/	8/	268,496	324,007	8/	8/	-	-	-	-
Concentrated skim milk for animal feed	-	-	-	-	-	-	8/	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	-	-	8/	-	8/	8/	-	-	-	-
Dry whole milk	-	-	-	-	-	-	6,768	13,578	8/	8/	-	-	-	-
Nonfat dry milk solids:														
Spray process	-	-	-	-	8/	-	44,413	31,746	-	-	-	-	-	-
Roller process	8/	8/	-	-	-	8/	8,117	5,464	-	8/	-	-	-	-
Total for human food	8/	8/	-	-	8/	8/	52,530	37,210	-	8/	-	-	-	-
Dry skim milk for animal feed	-	-	-	8/	8/	8/	1,156	544	-	-	-	-	-	-
Dry buttermilk	-	-	-	8/	8/	-	781	225	580	428	-	-	-	-
Dry whey	-	-	-	-	-	8/	8/	8/	-	-	-	-	-	-
Dry casein	-	-	8/	8/	-	-	4,059	5,071	-	-	-	-	-	-
	1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.	
Frozen products: 7/														
Ice cream (wholesale)	6,113	6,614	1,384	1,832	2,521	2,772	32,301	34,751	4,813	4,777	6,442	6,746	8/	8/
Ice cream (retail)	246	234*	315	86	180	180	5,245	5,288	462	495	457	519	52	52
Total ice cream	6,359	6,848*	1,699	1,918	2,701	2,952	37,546	40,039	5,275	5,272	6,899	7,265	2,047	2,098
Sherbet (milk)	185	327	55	59	43	23	2,306	1,927	84	97	75	43	8/	8/
Ice milk	1,071	496	401	231	7	8/	11,003	9,062	315	252	95	147	-	-
Frozen custards	-	-	11/	33	-	-	-	-	-	120	-	49	-	-
Frosted or frozen malted milk	-	47	-	-	-	34	-	-	-	75	-	-	-	6
Other frozen dairy products 10/	17	-	8/	-	35	-	-	-	317	-	69	-	2	-
Water ices	270	-	74	-	8/	-	8/	-	8/	-	338	-	8/	-
Ice cream mix	3,172	-	862	-	2,672	-	19,761	-	2,776	-	3,772	-	1,021	-

* Revised.

See end of table 7, page 19, for footnotes.

Continued

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TABLE 7 -(Continued) PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY STATES, 1949 and 1948

Manufactured product	D. C.		Florida		Georgia		Idaho		Illinois		Indiana		Iowa	
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter	-	-	-	8/	577	553	23,908	24,923	66,708	55,390	48,011	33,487	193,153	187,885
American type cheese:														
Cheddar	8/	8/	-	-	-	8/	16,258	18,049	55,786	53,942	29,074	35,584	9,769	8,128
Other Am. varieties (whole milk)1/	-	-	-	-	-	-	1,733	1,099	1,350	2,550	9,836	1,807	518	579
Total Am. cheese (whole milk)2/	8/	8/	-	-	-	8/	17,991	19,148	57,136	56,492	38,910	37,391	10,287	8,707
Part skim	-	-	-	-	-	-	-	-	8/	8/	8/	8/	-	-
Swiss cheese (including block)	8/	8/	-	-	-	-	2,691	3,527	14,726	10,372	-	-	391	8/
Munster cheese	-	-	-	-	-	-	-	-	8/	318	-	-	-	-
Brick cheese	-	-	-	-	-	-	-	-	1,258	2,287	-	-	8/	8/
Limburger cheese	-	-	-	-	-	-	-	-	1,747	2,155	-	-	-	-
All Italian varieties of cheese	-	-	-	-	-	-	-	-	2,553	1,780	-	-	-	-
Cream cheese 3/	-	-	-	-	-	-	-	-	941	935	-	-	-	-
Neufchatel cheese 4/	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Blue mold cheese	-	-	-	-	-	-	-	-	1,191	1,257	-	-	8/	8/
All other varieties of cheese	-	-	-	-	-	-	-	8/	1,743	1,931	8/	8/	8/	8/
Total cheese 5/	8/	8/	-	-	-	8/	20,682	9/22,686	9/81,711	9/77,704	9/39,172	9/37,882	9/10,828	9/9,234
Full-skim Am. type cheese	-	-	-	-	-	-	-	-	8/	162	-	-	-	-
Cottage cheese (curd) 6/	8/	8/	886	527	124	85	723	597	16,049	13,606	8,654	7,473	4,886	4,586
Cottage cheese (creamed) 6/	8/	8/	862	800	127	42	957	828	12,670	13,662	7,241	6,613	4,298	4,243
Condensed milk (sweetened):														
Case goods (unskimmed)	-	-	-	-	-	-	-	-	8/	3,342	-	-	-	-
Bulk goods (skimmed)	-	-	8/	-	2,144	8/	-	-	23,240	21,591	19,344	26,013	574	728
(unskimmed)	-	-	8/	-	8/	8/	-	-	3,089	3,135	739	855	8/	8/
Plain condensed milk (unsweetened):														
Bulk goods (skimmed)	-	-	8/	8/	234	8/	8/	8/	26,641	22,253	13,029	17,943	10,814	12,030
(unskimmed)	-	-	8/	-	-	-	-	-	2,173	3,448	16,281	20,497	8/	119
Evaporated milk (unsweetened):														
Case goods (unskimmed)	-	-	-	-	-	-	8/	8/	166,052	188,196	94,641	127,107	39,165	41,844
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	-	8/	-	8/	8/	4,606	5,166
Condensed or evaporated buttermilk	-	-	-	-	-	-	-	-	48,098	39,186	8/	8/	23,865	22,729
Dry whole milk	-	-	-	-	-	-	-	8/	8/	8/	4,235	3,947	-	-
Nonfat dry milk solids:														
Spray process	-	-	-	-	-	-	30,128	30,465	3,925	1,551	23,624	13,199	6,172	4,488
Roller process	-	-	-	-	-	-	24	37	9,335	5,917	16,612	13,682	7,348	5,406
Total for human food	-	-	-	-	-	-	30,152	30,502	13,260	7,468	40,236	26,881	13,520	9,894
Dry skim milk for animal feed	-	-	-	-	-	-	436	366	219	102	602	205	1,157	114
Dry buttermilk	-	-	-	-	-	-	105	79	752	607	822	698	7,886	5,980
Dry whey	-	-	-	-	-	-	6,155	5,233	7,790	3,892	8,974	8/	8/	-
Dry casein	-	-	-	-	-	-	8/	8/	697	271	-	-	587	344
	1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.	
Frozen products: 7/														
Ice cream (wholesale)	6,179	6,394	7,894	8,545	6,220	6,468	1,903	1,738	30,045	32,551	16,443	16,727	10,458	10,824
Ice cream (retail)	124	137	380	552*	103	77	273	320	3,713	3,924	1,615	2,144	1,060	1,285
Total ice cream	6,303	6,531	8,274	9,097*	6,323	6,545	2,176	2,058	33,758	36,475	18,058	18,871	11,518	12,109
Sherbet (milk)	141	92	260	236	180	250	34	26	998	860	339	211	309	231
Ice milk	8/	-	322	232	377	392	483	178	1,676	1,527	63	48	382	375
Frozen custards	-	84	-	11/	-	-	-	8/	-	403	-	102	-	4
Frosted or frozen malted milk	-	8/	-	11	-	135	-	8/	-	539	-	42	-	68
Other frozen dairy products 10/	289	-	59	-	227	-	6	-	1,233	-	314	-	213	-
Water ices	319	-	233	-	83	-	8/	-	1,285	-	170	-	250	-
Ice cream mix	2,888	-	4,287	-	3,343	-	1,011	-	17,771	-	9,352	-	6,052	-

See end of table, page 1, for footnotes.

Continued

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TABLE 7-(Continued) PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY STATES, 1949 and 1948

Manufactured product	Kansas		Kentucky		Louisiana		Maine		Maryland		Massachusetts		Michigan	
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter	47,490	46,823	24,844	23,310	702	419	90	53	3,548	2,972	242	248	61,002	43,079
American type cheese:														
Cheddar	8,720	8,525	26,354	23,033	8/	8/	-	-	-	-	-	-	20,829	19,323
Other Am. varieties (whole milk) 1/	401	-	-	-	-	-	-	-	-	-	-	-	4,541	3,724
Total Am. cheese (whole milk) 2/	9,121	8,525	26,354	23,033	8/	8/	-	-	-	-	-	-	25,370	23,047
Part skim	8/	8/	-	-	-	-	-	-	-	-	-	-	-	-
Swiss cheese (including block)	-	-	-	-	-	-	-	-	-	-	-	-	-	8/
Munster cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brick cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Limburger cheese	-	-	-	-	-	-	-	-	-	-	-	-	8/	-
All Italian varieties of cheese	-	-	-	-	-	-	8/	8/	-	-	794	977	1,368	1,060
Cream cheese 3/	-	-	-	-	-	-	-	-	-	-	1,442	1,390	8/	8/
Neufchatel cheese 4/	-	-	-	-	-	-	-	-	-	-	8/	8/	-	-
Blue mold cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other varieties of cheese	-	-	-	-	8/	8/	8/	8/	-	-	-	8/	8/	8/
Total cheese 5/	9/9,127	9/8,880	26,354	23,033	8/	8/	8/	8/	-	-	9/2,257	9/2,378	9/26,877	9/24,264
Full-skim Am. type cheese	-	-	8/	8/	-	-	-	-	-	-	-	-	-	-
Cottage cheese (curd) 6/	6,524	6,101	4,718	5,956	1,821	8/	1,671	8/	2,744	2,447	187	142	17,645	18,350
Cottage cheese (creamed) 6/	2,969	3,790	3,196	2,671	1,079	8/	1,929	8/	3,684	3,396	376	308	22,393	23,373
Condensed milk (sweetened):														
Case goods (unskimmed)	-	-	-	-	-	-	-	-	-	-	-	-	8/	33,796
Bulk goods (skimmed)	5,753	10,417	635	924	8/	8/	8/	8/	4,042	2,967	-	-	9,852	18,237
(unskimmed)	8/	8/	-	8/	-	-	8/	-	8/	-	-	-	412	746
Plain condensed milk (unsweetened):														
Bulk goods (skimmed)	30,287	31,003	2,395	1,705	-	-	8/	8/	12,332	1,055	-	-	25,719	28,177
(unskimmed)	8/	8/	-	8/	-	-	8/	8/	15,909	8/	-	-	8,141	12,815
Evaporated milk (unsweetened):														
Case goods (unskimmed)	56,537	64,829	199,816	183,824	-	-	-	-	8/	8/	-	-	127,756	186,267
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	-	-	-	-	-	8/	8/
Condensed or evaporated buttermilk	19,697	23,609	8/	8/	-	-	-	-	8/	8/	-	-	8/	8/
Dry whole milk	-	-	-	-	-	-	-	-	-	-	-	-	11,954	10,843
Nonfat dry milk solids:														
Spray process	10,257	5,732	8/	958	-	-	-	-	295	239	-	-	37,526	14,632
Roller process	1,925	1,440	8/	810	-	-	8/	8/	7,168	4,032	-	-	25,883	20,207
Total for human food	12,182	7,172	2,179	1,768	-	-	8/	8/	7,463	4,271	-	-	63,409	34,839
Dry skim milk for animal feed	-	8/	555	8/	-	-	8/	8/	139	8/	8/	8/	2,118	545
Dry buttermilk	416	513	8/	8/	-	-	-	-	-	-	-	-	3,642	2,553
Dry whey	-	-	8/	8/	-	-	-	-	-	-	-	-	8/	8/
Dry casein	-	-	-	-	-	-	8/	8/	-	-	-	-	8/	-
	1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.	
Frozen products: 7/														
Ice cream (wholesale)	5,245	5,583	4,065	4,218	6,637	6,440	2,800	2,890	7,928	8,182	18,270	18,195	23,788	23,161
Ice cream (retail)	1,239	1,163	250	332	152	177	162	175	285	358*	1,401	1,538*	2,404	3,071
Total ice cream	6,484	6,746	4,315	4,550	6,789	6,617	2,962	3,065	8,213	8,540*	19,671	19,733*	26,192	26,232
Sherbet (milk)	119	90	137	107	308	370	24	18	359	246	466	352	774	599
Ice milk	-	-	35	77	370	235	8/	68	29	44	301	222	-	-
Frozen custards	-	185*	-	-	-	-	-	102	-	11/	-	11/	-	11/
Frosted or frozen malted milk	-	239	-	36	-	16	-	-	-	-	-	28	-	11/
Other frozen dairy products 10/	549	-	62	-	70	-	8/	-	11	-	51	-	-	-
Water ices	8/	-	116	-	180	-	142	-	617	-	686	-	705	-
Ice cream mix	3,601	-	2,520	-	3,270	-	1,443	-	4,599	-	10,581	-	14,260	-

See end of table 7 page19 for footnotes.

Continued

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TABLE 7-(Continued) PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY STATES, 1949 and 1948

Manufactured Product	Minnesota		Mississippi		Missouri		Montana		Nebraska		Nevada	
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter	252,621	222,657	4,025	2,523	71,248	61,974e	7,948	8,637	73,607	78,240	919	940
American type cheese:												
Cheddar	54,309	51,635	11,625	11,094	64,108	56,330	2,890	2,818	1,336	853	6/	6/
Other Am. varieties (whole milk)1/	–	–	–	–	6	–	–	–	47	–	–	–
Total Am. cheese (whole milk)2/	54,309	51,635	11,625	11,094	64,114	56,330	2,890	2,818	1,383	853	6/	6/
Part skim	–	–	–	–	6/	–	–	–	–	–	–	–
Swiss cheese (including block)	6/	6/	–	–	–	–	–	–	–	–	–	–
Munster cheese	–	–	–	–	–	–	–	–	–	–	–	–
Brick cheese	380	110	–	–	–	–	–	–	–	–	–	–
Limburger cheese	6/	6/	–	–	–	–	–	–	–	–	–	–
All Italian varieties of cheese	6/	6/	–	–	–	6/	–	–	–	–	–	–
Cream cheese 3/	6/	6/	–	–	6/	6/	–	–	6/	6/	–	–
Neufchatel cheese 4/	–	6/	–	–	–	–	–	–	–	–	–	–
Blue mold cheese	1,244	1,426	–	–	–	–	–	–	–	–	–	–
All other varieties of cheese	113	6/	6/	6/	–	–	–	–	–	6/	–	–
Total cheese 5/	9/56,457	9/54,061	9/11,627	9/11,142	9/64,203	9/56,378	2,890	2,818	9/1,385	9/856	6/	6/
Full-skim Am. type cheese	6/	–	–	–	6/	6/	–	–	–	–	–	–
Cottage cheese (curd) 6/	6,390	6,072	6/	9	7,768	7,322e	852	699	2,361	2,596	52	106
Cottage cheese (creamed) 6/	8,241	7,271	6/	6/	8,261	6,441e	1,049	921	3,344	3,323	111	138
Condensed milk (sweetened):												
Case goods (unskimmed)	–	–	6/	6/	6/	6/	–	–	6/	–	–	–
Bulk goods (skimmed)	8,158	9,054	6/	6/	1,538	2,405e	–	–	1,314	1,001	–	–
(unskimmed)	9,469	6/	6/	6/	206	930e	–	–	6/	257	–	–
Plain condensed milk (unsweetened):												
Bulk goods (skimmed)	9,036	17,548	6,420	5,717	25,296	22,586e	–	–	1,409	599	–	–
(unskimmed)	–	6/	–	6/	2,606	16,419e	–	–	6/	156	–	–
Evaporated milk (unsweetened):												
Case goods (unskimmed)	6/	33,820	54,842	44,593	163,396	208,026	–	–	–	–	–	–
Concentrated skim milk for animal feed	–	6/	–	–	6/	6/	–	–	–	–	–	–
Condensed or evaporated buttermilk	5,917	4,233	–	–	11,793	16,741	–	–	13,137	15,479	–	–
Dry whole milk	20,072	34,763	–	–	6/	6/	–	–	–	–	–	–
Nonfat dry milk solids:												
Spray process	127,775	106,928	–	–	31,037	23,707	–	–	6/	6/	–	–
Roller process	53,215	56,069	2,772	1,912	6,940	6,261	–	–	–	–	6/	6/
Total for human food	180,990	162,997	2,772	1,912	37,977	29,968	–	–	6/	6/	6/	6/
Dry skim milk for animal feed	2,381	2,434	6/	6/	534	625	–	–	6/	6/	6/	6/
Dry buttermilk	19,646	19,643	148	87	1,485	1,252	–	–	1,881	911	6/	6/
Dry whey	18,439	15,108	–	–	4,782	3,295	–	–	–	–	–	–
Dry casein	3,777	1,714	–	–	–	6/	–	–	–	–	–	–
	1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.	
Frozen products: 7/												
Ice cream (wholesale)	13,298	14,130	3,210	3,548	15,135	15,791	2,025	1,909	5,714	6,096	679	652
Ice cream (retail)	721	633e	256	284	604	590e	848	812	498	511	44	52
Total ice cream	14,019	14,763e	3,466	3,832	15,739	16,381e	2,873	2,721	6,212	6,607	723	704
Sherbet (milk)	178	141	215	244	362	320	31	23	176	143	33	24
Ice milk	265	32	426	258	466	389	–	–	425	212	137	133
Frozen custards	–	11/	–	44	–	11/	–	–	–	6	–	–
Frosted or frozen malted milk	–	113	–	15	–	159	–	–	–	71	–	3
Other frozen dairy products 10/	179	–	56	–	247	–	–	–	99	–	–	–
Water ices	6/	–	135	–	305	–	6/	–	51	–	6/	–
Ice cream mix	7,379	–	1,955	–	9,229	–	1,418	–	3,169	–	357	–

See end of table 7 page 19 for footnotes.

Continued

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TABLE 7-(Continued) PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY STATES, 1949 and 1948

Manufactured Products	New Hampshire		New Jersey		New Mexico		New York		North Carolina		North Dakota	
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter	-	-	78	8/	1,107	1,164	29,448	14,868	2,719	1,630	43,372	44,999
American type cheese:												
Cheddar	-	-	8/	-	-	-	33,694	22,316	8/	8/	-	-
Other Am. varieties (whole milk)1/	-	-	-	-	8/	8/	5,660	8,314	-	-	-	-
Total Am. cheese (whole milk)2/	-	-	8/	-	8/	8/	39,354	30,630	8/	8/	-	-
Part skim	-	-	-	-	-	-	48	40	-	-	-	-
Swiss cheese (including block)	-	-	-	-	-	-	8/	8/	-	-	-	-
Munster cheese	-	-	-	-	-	-	-	-	-	-	-	-
Brick cheese	-	-	-	-	-	-	26	17	-	-	-	-
Limburger cheese	-	-	-	-	-	-	1,753	1,342	-	-	-	-
All Italian varieties of cheese	-	-	1,296	768	-	-	16,553	15,428	-	-	-	-
Cream cheese 3/	-	-	8/	8/	-	-	18,813	19,005	-	-	-	-
Neufchatel cheese 4/	-	-	8/	8/	-	-	791	539	-	-	-	-
Blue mold cheese	-	-	-	-	-	-	-	-	-	-	-	-
All other varieties of cheese	-	-	-	-	-	-	7,089	6,302	-	-	-	-
Total cheese 5/	-	-	9/1,689	9/1,136	8/	8/	9/84,535	9/73,405	8/	8/	-	-
Full-skim Am. type cheese	-	-	-	-	-	-	84	133	-	-	-	-
Cottage cheese (curd) 6/	49	34	329	158	187	8/	42,782	45,776	1,158	916	8/	151
Cottage cheese (creamed) 6/	8/	45	1,891	1,052	8/	8/	27,628	22,103	572	529	184	184
Condensed milk (sweetened):												
Case goods (unskimmed)	-	-	-	-	-	-	13,032	16,806	-	-	-	-
Bulk goods (skimmed)	-	-	8/	8/	-	-	26,504	29,094	-	-	8/	8/
(unskimmed)	-	-	-	8/	-	-	4,264	2,296	-	-	-	-
Plain condensed milk (unsweetened):												
Bulk goods (skimmed)	-	-	8/	8/	8/	8/	68,889	72,273	1,665	807*	-	8/
(unskimmed)	-	-	8/	8/	8/	8/	57,636	37,921	8/	-	-	-
Evaporated milk (unsweetened):												
Case goods (unskimmed)	-	-	-	-	-	-	66,638	70,987	8/	8/	-	-
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	8/	-	-	-	-
Condensed or evaporated buttermilk	-	-	-	-	8/	8/	8/	8/	-	-	8/	8/
Dry whole milk	-	-	-	-	-	-	21,635	15,918	-	-	-	-
Nonfat dry milk solids:												
Spray process	-	-	-	-	-	-	47,640	28,077	-	-	-	-
Roller process	-	-	8/	-	-	-	44,406	21,868	-	-	8/	8/
Total for human food	-	-	8/	-	-	-	92,046	49,945	-	-	8/	8/
Dry skim milk for animal feed	-	-	-	-	-	-	2,072	511	-	-	-	-
Dry buttermilk	-	-	-	-	-	-	346	146	-	-	2,406	2,634
Dry whey	-	-	-	-	-	-	14,191	10,949	-	-	-	-
Dry casein	-	-	-	-	-	-	4,188	1,126	-	-	-	-
	1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.	
Frozen products: 7/												
Ice cream (wholesale)	1,007	1,022*	8,585	9,542	963	1,039	52,557	51,699*	12,479	13,316	2,071	2,136
Ice cream (retail)	202	228*	970	1,048	10	55	7,757	8,059*	951	1,115*	140	188
Total ice cream	1,209	1,250	9,555	10,590	973	1,094	60,314	59,758	13,430	14,431	2,211	2,324
Sherbet (milk)	18	16	127	112	35	24	764	912	284	277	28	20
Ice milk	-	8/	-	8/	140	115	-	-	1,312	643	-	-
Frozen custards	-	11/	-	47	-	3	-	11/	-	11/	-	-
Frosted or frozen malted milk	-	-	-	22	-	-	-	13/	-	97	-	2
Other frozen dairy products 10/	8/	-	43	-	63	-	-	-	82	-	8/	-
Water ices	15	-	378	-	58	-	3,297	-	10	-	73	-
Ice cream mix	349	-	4,784	-	595	-	32,133	-	7,068	-	1,150	-

See end of table 7, page 19, for footnotes.

Continued

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TABLE 7 -(Continued) PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY STATES, 1949 and 1948

Manufactured products	Ohio		Oklahoma		Oregon		Pennsylvania		Rhode Island		South Carolina	
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter	68,865	52,535	30,241	31,332	17,889	17,811	13,098	9,482*	-	-	226	217
American type cheese:												
Cheddar	18,736	12,588	10,741	12,467	23,746	25,800	834	411	-	-	-	-
Other Am. varieties (whole milk) 1/	7,644	7,571	-	-	518	170	444	397	-	-	-	-
Total Am. cheese (whole milk) 2/	26,380	20,159	10,741	12,467	24,264	25,970	1,278	808	-	-	-	-
Part skim	8/	2,094	-	8/	-	-	-	8/	-	-	-	-
Swiss cheese (including block)	7,754	6,663	-	-	8/	8/	8/	606	-	-	-	-
Munster cheese	-	-	-	-	-	-	8/	-	-	-	-	-
Brick cheese	8/	39	-	-	-	-	-	-	-	-	-	-
Limburger cheese	-	-	-	-	-	-	-	-	-	-	-	-
All Italian varieties of cheese	651	658	-	-	-	-	1,734	1,429	-	-	-	-
Cream cheese 3/	8/	8/	8/	-	-	-	3,644	3,574	-	-	-	-
Neufchatel cheese 4/	-	-	-	-	-	-	3,119	3,241	-	-	-	-
Blue mold cheese	-	8/	-	-	8/	8/	8/	8/	-	-	-	-
All other varieties of cheese	2,951	8/	-	-	8/	8/	893	1,211	-	-	-	-
Total cheese 5/	9/44,387	9/36,098	9/11,597	9/12,566	9/24,691	9/26,570	9/11,341	9/10,919	-	-	-	-
Full-skim Am. type cheese	8/	612	-	-	-	-	-	-	-	-	-	-
Cottage cheese (curd) 6/	23,482	21,657	4,448	2,246	3,473	3,616	16,557	13,048	8/	-	-	-
Cottage cheese (creamed) 6/	25,815	24,042	5,043	3,429	4,947	2,905*	8,477	5,765	-	-	-	-
Condensed milk (sweetened):												
Case goods (unskimmed)	-	-	-	-	8/	8/	-	-	-	-	-	-
Bulk goods (skimmed)	19,988	26,521	783	1,732	8/	1,149	29,529	24,635	-	-	-	-
(unskimmed)	5,930	4,865	729	1,082	8/	8/	1,899	3,835	-	-	-	-
Plain condensed milk (unsweetened):												
Bulk goods (skimmed)	25,109	22,513	4,790	4,520	8/	8/	25,853	22,725	-	-	-	-
(unskimmed)	11,597	14,884	2,463	8/	-	-	21,177	20,813	-	-	-	-
Evaporated milk (unsweetened):												
Case goods (unskimmed)	280,213	332,965	8/	8/	8/	8/	44,091	52,508	-	-	8/	8/
Concentrated skim milk for animal feed	-	-	-	-	-	-	3,524	3,501	-	-	-	-
Condensed or evaporated buttermilk	21,567	19,324	3,160	3,084	-	-	1,045	8/	-	-	-	-
Dry whole milk	9,651	12,325	8/	8/	8/	8/	1,441	-	-	-	-	-
Nonfat dry milk solids:												
Spray process	31,025	18,045	8/	8/	6,977	4,325	9,185	4,592	-	-	-	-
Roller process	14,329	11,192	8/	8/	69	450	3,691	3,239	-	-	-	-
Total for human food	45,354	29,237	2,638	2,385	7,046	4,775	12,876	7,831	-	-	-	-
Dry skim milk for animal feed	914	423	8/	-	713	758	1,169	652	-	-	-	-
Dry buttermilk	1,803	1,231	1,012	1,196	8/	8/	-	-	-	-	-	-
Dry whey	-	-	692	568	8/	8/	-	-	-	-	-	-
Dry casein	8/	-	8/	8/	8/	-	8/	-	-	-	-	-
	1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.	
Frozen products: 7/												
Ice cream (wholesale)	30,572	31,619	5,866	6,386	5,577	5,362	62,864	63,703*	3,657	3,914	2,236	2,510
Ice cream (retail)	3,250	3,346*	378	350	726	758*	5,265	3,823	318	294	70	92
Total ice cream	33,822	34,965*	6,244	6,736	6,303	6,120*	68,129	67,526*	3,975	4,208	2,306	2,602
Sherbet (milk)	829	656	203	114	126	90	482	668	54	27	68	40
Ice milk	530	168	329	189	1,295	817	30	174	60	56	115	173
Frozen custards	-	11/	-	22	-	25	-	204	-	-	-	-
Frosted or frozen malted milk	-	310	-	144	-	50	-	152	-	8/	-	78
Other frozen dairy products 10/	514	-	154	-	33	-	542	-	14	-	8/	-
Water ices	940	-	8/	-	82	-	1,285	-	117	-	102	-
Ice cream mix	18,433	-	3,095	-	3,371	-	35,857	-	1,903	-	1,124	-

See end of table 7, page 19, for footnotes.

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TABLE 7 -(Continued) PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY STATES, 1949 and 1948

Manufactured products	South Dakota		Tennessee		Texas		Utah		Vermont		Virginia	
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Creamery butter	31,483	31,369*	13,899	13,518	13,618	12,731	5,515	5,485	1,581	796	7,501	7,303
American type cheese:												
Cheddar	1,464	1,141	41,333	37,004	5,758	6,920	6,437	7,013	780	756	1/	1/
Other Am. varieties (whole milk)1/	-	-	-	-	-	-	1	11	691	653	-	-
Total Am. cheese (whole milk)2/	1,464	1,141	41,333	37,004	5,758	6,920	6,438	7,024	1,471	1,409	1/	1/
Part skim	-	-	-	-	1/	1/	-	-	-	-	-	-
Brine cheese (including block)	-	-	-	-	-	-	1/	1/	-	-	-	-
Munster cheese	-	-	-	-	-	-	-	-	-	-	-	-
Brick cheese	-	-	-	-	-	-	-	-	-	-	-	-
Limburger cheese	-	-	-	-	-	-	-	1/	-	-	-	-
All Italian varieties of cheese	-	-	-	-	-	-	1/	1/	1/	1/	-	-
Cream cheese 3/	-	-	1/	1/	-	1/	-	-	-	1/	-	-
Neufchatel cheese 4/	-	-	-	-	-	-	-	-	-	-	-	-
Blue mold cheese	-	-	-	-	1/	1/	-	-	-	-	-	-
All other varieties of cheese	-	-	-	-	-	-	-	-	1,178	1,840	-	-
Total cheese 5/	1,464	1,141	9/44,545	9/40,091	9/ 5,778	9/9,217	9/11,342	9/11,687*	9/2,705	9/3,398	1/	1/
Full-skim Am. type cheese	1/	1/	1/	-	-	-	-	-	486	270	-	-
Cottage cheese (curd) 6/	247	255	1,726	1,231	3,895	1,964	2,395	1,886	10,046	8,267	1,727	1,115
Cottage cheese (creamed) 6/	501	503	2,087	535	5,368	3,933	3,443	2,660	8,660	5,628	866	1/
Condensed milk (sweetened):												
Case goods (unskimmed)	-	-	-	-	-	-	-	-	-	-	-	-
Bulk goods (skimmed)	1/	1/	1/	1/	1,672	2,058	-	-	1,976	6,309	4,378	8,420
(unskimmed)	-	-	-	-	1/	1/	-	-	1/	1/	1/	1/
Plain condensed milk (unsweetened):												
Bulk goods (skimmed)	-	-	13,740	16,611	16,997	9,666	2,152	901	8,068	7,076	24,058	22,425
(unskimmed)	-	-	-	1/	1/	1/	-	-	1/	1/	1/	2,814
Evaporated milk (unsweetened):												
Case goods (unskimmed)	-	-	128,829	136,198	28,439	28,957	61,680	70,885	-	-	1/	1/
Concentrated skim milk for animal feed	-	-	-	-	-	-	-	-	-	-	-	-
Condensed or evaporated buttermilk	3,070	3,542	1/	1/	1/	1/	-	-	-	-	-	-
Dry whole milk	-	-	409	-	-	-	1/	1/	1/	1/	1/	-
Nonfat dry milk solids:												
Spray process	-	-	1/	1/	1/	1/	5,177	4,309	13,812	5,963	6,221	2,156
Roller process	-	-	-	-	-	-	-	225	7,227	1,449	198	-
Total for human food	-	-	1/	1/	1/	1/	5,177	4,534	21,039	7,412	6,419	2,156
Dry skim milk for animal feed	-	-	-	-	96	1/	-	-	404	1/	657	561
Dry buttermilk	762	625*	-	-	174	133	-	1/	1/	1/	-	-
Dry whey	-	-	-	-	-	-	1/	1/	-	-	-	-
Dry casein	-	-	-	-	-	-	1/	1/	1,045	419	-	-
	1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.	
Frozen products: 7/												
Ice cream (wholesale)	2,465	2,322	11,633	12,773	22,305	23,322	2,041	2,348	1,239	1,294	9,214	9,780
Ice cream (retail)	149	147*	527	489	435	835	539	366	56	54	539	666*
Total ice cream	2,614	2,469*	12,160	13,262	22,740	24,157	2,580	2,714	1,295	1,348	9,753	10,446*
Sherbet (milk)	69	33	292	313	865	1,123	76	73	16	10	296	73
Ice milk	1/	-	796	287	670	694	368	301	1/	1/	-	-
Frozen custards	-	11/	-	23	-	88	-	-	-	1/	-	11/
Frosted or frozen malted milk	-	1/	-	115	-	193	-	65	-	-	-	20
Other frozen dairy products 10/	42	-	138	-	857	-	63	-	1/	-	36	-
Water ices	39	-	368	-	817	-	115	-	34	-	1/	-
Ice-cream mix	1,250	-	6,774	-	13,770	-	1,374	-	1,638	-	6,006	-

See end of table 7, page 19, for footnotes.

Continued

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TABLE 7 -(Continued) PRODUCTION OF MANUFACTURED DAIRY PRODUCTS, BY STATES, 1949 and 1948

Manufactured Product	Washington		West Virginia		Wisconsin		Wyoming		U. S. total 12/		Percent change
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	
Creamery butter	20,708	19,630	1,536	1,614	168,214	99,992	2,002	2,078	1,412,101	1,210,324	+ 17
American type cheese:											
Cheddar	3,935	4,166	8/	8/	417,647	373,708	8/	8/	885,114	812,120*	+ 9
Other Am. varieties (whole milk) 1/	112	102	-	-	12,456	12,312	-	-	49,904	42,327	+ 18
Total Am. cheese (whole milk) 2/	4,047	4,268	8/	8/	430,103	386,020	8/	8/	935,018	854,447*	+ 9
Part skim	-	-	-	-	-	-	-	-	771	3,987	- 81
Swiss cheese (including block)	8/	8/	-	-	48,271	43,192	8/	8/	81,043	70,665	+15
Munster cheese	-	-	-	-	9,613	7,990	-	-	10,098	8,308	+22
Brick cheese	8/	8/	-	-	18,387	15,726	-	-	20,278	18,198	+11
Limburger cheese	-	-	-	-	3,528	3,637	-	-	7,180	7,358	- 2
All Italian varieties of cheese	8/	8/	-	-	27,771	19,492	-	-	55,127	43,579*	+26
Cream cheese 3/	8/	8/	-	-	14,796	13,339	-	-	54,449	52,975	+ 3
Neufchatel cheese 4/	-	-	-	-	-	-	-	-	4,046	3,841	+ 5
Blue mold cheese	8/	8/	-	-	4,770	5,536	-	-	8,141	9,289	-12
All other varieties of cheese	395	1,865	-	-	6,741	7,172	-	-	23,860	25,719	- 7
Total cheese 5/	9/5,920	9/6,824	8/	8/	563,980	502,104	8/2,286	8/1,557	1,200,011	1,098,366*	+ 9
Full-skim Am. type cheese	-	-	-	-	-	-	-	-	1,251	1,754*	-29
Cottage cheese (curd) 6/	10,146	9,219	2,560	2,273	18,322	17,194	241	231	283,607	255,639*	+11
Cottage cheese (creamed) 6/	16,300	14,987	2,848	2,853	11,660	9,763	125	8/	286,766	249,236*	+15
Condensed milk (sweetened):											
Case goods (unskimmed)	-	-	-	-	23,103	35,041	-	-	100,902	126,295	-20
Bulk goods (skimmed)	3,044	2,697	8/	8/	23,360	30,947	-	-	218,209	239,290*	- 9
(unskimmed)	248	1,465	8/	-	17,809	8,595	-	-	48,085	45,542*	+ 6
Plain condensed milk (unsweetened):											
Bulk goods (skimmed)	1,802	604	8/	8/	104,477	88,412	-	-	535,844	494,036*	+8
(unskimmed)	4,153	4,168	8/	-	27,207	32,457*	-	-	202,073	200,485*	+1
Evaporated milk (unsweetened):											
Case goods (unskimmed)	66,551	92,182	8/	8/	578,578	875,123	-	-	2,755,780	3,382,893	-19
Concentrated skim milk for animal feed	8/	8/	-	-	8/	8/	-	-	13,873	22,633	-39
Condensed or evaporated buttermilk	8/	8/	8/	-	-	-	-	-	178,383	170,954	+ 4
Dry whole milk	8/	8/	-	-	45,648	73,336	-	-	125,541	170,087	-26
Nonfat dry milk solids:											
Spray process	8,147	5,399	8/	8/	175,246	122,129	8/	8/	629,341	436,071	+44
Roller process	6,178	3,603	-	-	84,915	79,431	-	-	304,321	245,461	+ 24
Total for human food	14,325	9,002	8/	8/	260,181	201,560	8/	8/	933,662	681,532	+ 37
Dry skim milk for animal feed	596	319	-	-	4,658	3,306	-	-	21,264	13,145	+ 62
Dry buttermilk	8/	-	8/	8/	4,258	2,152	-	-	49,359	41,839*	+18
Dry whey	8/	8/	-	-	76,216	64,686	8/	-	158,957	125,185	+ 27
Dry casein	8/	974	-	-	2,954	1,862	-	-	18,348	14,372	+ 28
Frozen products: 7/	1,000 gal.		1000 gal.		1000 gal.		1000 gal.		1000 gal.		
Ice cream (wholesale)	6,303	6,811	5,617	6,084	13,543	14,014	526	627	506,803	525,161*	- 3
Ice cream (retail)	1,087	1,012	316	206	3,147	2,625	108	133	49,851	51,093*	- 2
Total ice cream	7,390	7,823	5,933	6,290	16,690	16,639	634	760	556,654	576,261*	- 3
Sherbet (milk)	121	113	304	245	172	164	33	7	13,573	12,211	+11
Ice milk	881	1,125	210	187	-	-	-	-	25,455	19,585	+30
Frozen custards	-	51	-	8/	-	-	-	8/	-	1,609*	
Frosted or frozen malted milk	-	194	-	52	-	-	-	8/	-	3,377*	
Other frozen dairy products 10/	97	-	87	-	-	-	8/	-	7,103	-	
Water ices	240	-	8/	-	455	-	8/	-	19,342	-	
Ice cream mix	4,019	-	2,496	-	9,947	-	451	-	299,528	-	

* Revised.

1/ Includes Colby, Washed Curd, High and Low Moisture Jack, Monterey, and Granular.

2/ Comparable with data published prior to 1944 under the 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/ Cottage cheese curd includes cottage, pot, and baker's 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.

7/ The production shown for frozen products includes that made by all types of plants for both wholesale and retail.

8/ Production by States not shown when made by less than 3 plants.

9/ 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.

10/ Previous to 1949, separate figures were published on the production of frozen custards and frosted or frozen malted milk. Beginning with 1949, these two classifications were dropped and the production of frozen custards and frosted or frozen malted milk that did not meet the minimum standards for ice cream in States where produced were included in the classification "Other Frozen Dairy Products." Because of this, the 1949 production of "Other Frozen Dairy Products" is not comparable with similar classification in preceding years.

11/ Frozen custard shown in the 1948 report has been included in ice cream since it met the minimum standards for ice cream in this State.

12/ U.S. totals for all products include production for some States not shown separately in this table except ice cream for retail and total ice cream.

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TABLE 5 -CREAMERY BUTTER (including whey butter) PRODUCED MONTHLY, BY STATES, 1949

State and Division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Maine	*	1	2	-	1	8	16	15	13	19	7	2	5	90
Vermont	14	4	4	149	92	437	338	33	101	121	149	78	75	1,581
Massachusetts	6	11	10	16	13	20	22	29	25	25	21	20	28	240
New England 1/	24	16	16	165	107	465	376	78	139	165	140	100	108	1,915
New York	121	2,953	2,778	2,702	2,882	3,498	2,959	1,383	1,099	1,439	2,950	2,707	2,098	29,448
New Jersey	5	3	2	3	4	10	9	7	9	11	6	7	7	75
Pennsylvania	30	584	554	764	879	1,591	1,762	1,364	1,317	1,368	1,202	886	909	13,095
Middle Atlantic	256	3,540	3,334	3,469	3,765	5,101	4,730	2,754	2,481	2,818	4,158	3,600	2,914	42,624
Ohio	128	4,160	3,548	4,634	5,173	7,746	7,414	6,285	5,783	7,124	6,851	5,077	4,762	68,865
Indiana	70	3,220	3,058	3,112	3,642	5,185	4,855	4,006	4,403	5,292	4,549	3,557	3,156	48,011
Illinois	97	4,288	4,012	4,774	5,467	7,395	6,657	6,345	6,956	6,240	5,353	4,714	4,501	66,708
Michigan	139	3,487	3,199	4,184	5,241	7,478	7,103	5,701	5,328	5,701	5,205	4,461	4,454	61,002
Wisconsin	305	11,055	11,541	15,485	17,117	26,758	19,083	14,915	14,096	12,379	10,397	10,045	12,296	168,214
East North Central	739	26,210	25,450	31,654	36,612	48,162	44,120	35,853	37,625	36,936	32,155	27,854	29,169	412,800
Minnesota	679	20,179	21,156	25,242	25,310	29,542	27,863	22,469	18,093	15,477	14,038	14,296	18,056	252,621
Iowa	390	12,670	13,133	15,637	15,519	21,582	21,456	18,939	18,196	15,570	13,582	12,619	13,245	193,153
Missouri	63	4,147	4,018	4,389	4,617	7,236	7,132	6,947	7,494	7,851	7,025	5,351	4,481	71,248
North Dakota	103	2,023	2,501	3,296	3,729	5,055	5,888	5,636	4,871	3,625	2,723	2,072	1,957	43,372
South Dakota	99	1,686	1,968	2,429	2,727	3,662	4,023	3,538	3,166	2,591	2,029	1,801	1,863	31,483
Nebraska	103	4,435	5,076	5,737	6,315	8,727	8,750	7,833	6,920	5,609	4,683	4,257	4,512	73,607
Kansas	70	3,455	3,691	3,845	4,079	5,313	5,093	4,526	4,269	3,292	3,049	1,299	3,467	47,490
West North Central	1,507	48,598	51,543	60,625	63,296	81,864	80,210	69,488	64,009	54,016	47,129	43,695	47,681	712,974
Maryland	5	144	124	192	210	405	439	397	444	419	346	246	197	3,548
Virginia	40	338	300	383	534	936	908	871	954	934	770	550	443	7,901
West Virginia	5	63	50	49	73	154	193	191	199	193	163	112	96	1,536
North Carolina	15	236	214	285	353	339	233	210	185	175	156	147	143	2,719
South Carolina	*	16	14	18	22	24	25	24	21	21	15	13	13	226
Georgia	6	48	53	67	74	45	40	56	43	37	31	23	62	577
South Atlantic	74	845	755	934	1,286	1,903	1,838	1,749	1,849	1,792	1,481	1,131	954	16,507
Kentucky	21	1,185	1,101	1,120	1,662	2,797	2,571	2,770	3,128	2,927	2,537	1,781	1,265	24,840
Tennessee	28	629	618	687	1,020	1,462	1,390	1,440	1,983	1,550	1,314	997	749	13,830
Alabama	*	8	7	4	-	3	-	1	5	5	6	7	6	50
Mississippi	9	170	186	289	407	459	409	448	445	259	288	385	280	4,025
Arkansas	10	283	295	320	423	712	806	895	840	773	687	478	356	6,868
Louisiana	*	35	27	50	74	75	76	86	56	41	57	65	59	702
Oklahoma	52	1,758	1,914	2,674	2,942	3,751	3,535	3,296	2,894	2,391	2,125	2,035	1,976	30,241
Texas	65	757	846	910	1,331	1,739	1,462	1,313	1,141	948	1,004	1,011	956	13,418
South Central	193	4,825	4,994	5,454	7,399	10,996	10,249	10,249	10,692	8,894	8,018	6,780	5,647	94,187
Montana	67	441	434	521	591	841	1,039	952	812	738	628	478	473	7,948
Idaho	40	1,883	1,726	1,919	2,009	2,320	2,344	2,266	2,134	1,902	1,953	1,757	1,665	23,908
Wyoming	22	132	126	149	171	222	245	221	162	153	148	133	140	2,002
Colorado	48	870	890	993	1,079	1,385	1,597	1,533	1,326	1,044	953	886	1,106	13,662
New Mexico	6	60	76	99	103	125	120	131	113	89	76	54	61	1,107
Arizona	5	53	28	101	56	55	62	63	41	27	49	68	99	702
Utah	20	436	428	435	446	564	577	496	434	408	431	374	488	5,515
Nevada	5	72	66	77	80	94	94	78	61	70	70	63	72	919
Mountain	213	3,947	3,776	4,294	4,535	5,606	6,078	5,738	5,103	4,431	4,338	3,813	4,104	55,763
Washington	79	889	821	1,100	1,538	2,503	2,554	2,465	2,297	1,805	1,843	1,421	1,472	20,708
Oregon	61	884	847	1,082	1,582	2,149	2,135	1,947	1,753	1,500	1,486	1,295	1,229	17,889
California	44	2,734	2,133	2,896	3,908	1,630	3,347	3,536	3,307	2,480	2,768	2,608	3,387	36,734
Pacific	184	4,507	3,801	5,078	7,028	8,282	8,036	7,948	7,357	5,785	6,097	5,324	6,088	75,331
UNITED STATES	3,140	92,488	93,569	111,633	124,618	161,899	155,637	135,257	129,655	114,827	103,556	92,297	96,665	1,412,101

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

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TABLE 7 -CHEDDAR CHEESE (made from wh le milk) PRODUCED MONTHLY, BY STATES, 1949

State and division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	*	1	-	5	2	226	324	157	22	13	24	2	4	780
New England	*	1	-	5	2	226	324	157	22	13	24	2	4	780
New York	98	781	700	1,935	3,557	7,524	7,298	3,582	1,486	2,067	2,876	1,146	842	33,694
Pennsylvania	9	14	12	14	105	264	178	32	29	22	55	48	61	834
Middle Atlantic 1/	108	795	712	1,949	3,662	7,800	7,489	3,614	1,415	2,089	2,931	1,194	903	34,553
Ohio	14	771	754	807	1,647	2,783	2,695	1,940	1,870	1,605	1,489	1,287	1,088	18,736
Indiana	22	1,488	1,830	1,759	2,590	3,813	3,712	3,025	2,937	2,400	2,029	1,701	1,390	29,074
Illinois	84	3,521	3,814	4,386	4,764	6,853	6,907	5,957	5,693	4,499	3,625	2,920	2,853	55,786
Michigan	27	1,670	1,172	1,578	1,771	2,553	2,664	2,294	2,084	1,870	1,515	1,115	1,143	20,829
Wisconsin	961	28,758	29,218	35,196	38,577	49,924	48,819	42,261	37,927	31,923	26,451	22,661	24,932	417,647
East North Central	1,108	36,068	36,748	43,729	49,349	65,926	65,797	55,477	50,511	42,297	35,109	29,684	31,406	542,072
Minnesota	53	4,898	4,886	5,674	5,640	6,547	6,109	4,197	3,454	3,057	2,938	3,205	3,704	54,309
Iowa	25	749	735	901	883	1,104	1,057	911	793	721	614	570	671	9,769
Missouri	45	3,039	4,814	5,571	5,122	7,238	7,308	7,757	7,982	6,731	5,000	4,084	3,462	64,108
South Dakota	*	103	93	140	135	188	194	159	104	78	75	78	117	1,464
Nebraska	*	122	134	152	167	226	208	145	106	51	8	8	9	1,336
Kansas	22	643	745	745	846	1,079	959	862	813	560	449	521	458	8,720
West North Central	153	9,544	11,457	13,233	12,793	16,382	15,835	14,031	13,252	11,198	9,084	8,466	8,421	139,706
South Atlantic 1/	5	71	56	73	99	226	302	319	313	273	219	148	99	2,198
Kentucky	19	1,879	1,165	1,294	2,367	3,350	3,086	2,988	3,278	3,031	2,098	1,523	899	26,354
Tennessee	28	1,883	1,884	2,528	3,922	5,622	4,974	5,184	5,242	3,927	2,533	2,062	1,772	41,333
Alabama	7	81	94	185	339	430	420	394	343	282	188	120	116	2,997
Mississippi	15	433	493	681	1,110	1,688	1,527	1,529	1,416	1,023	724	548	453	11,625
Arkansas	9	502	487	668	1,011	1,397	1,320	1,395	1,347	1,144	864	631	565	11,331
Oklahoma	15	739	850	960	1,127	1,564	1,373	1,042	945	619	518	485	519	10,741
Texas	14	316	356	449	606	792	749	657	532	402	340	275	284	5,758
South Central 1/	109	5,029	5,335	6,784	10,538	14,887	13,480	13,214	13,112	10,432	7,265	5,644	4,615	110,335
Montana	11	142	127	160	216	377	396	374	314	272	233	158	141	2,890
Idaho	21	1,180	1,015	1,210	1,382	1,962	1,875	1,613	1,651	1,339	1,166	962	1,003	16,258
Colorado	8	46	67	137	114	158	233	68	37	21	17	17	50	955
Utah	26	471	414	489	526	670	648	612	563	524	554	475	491	6,437
Mountain 1/	66	1,849	1,654	2,034	2,285	3,239	3,223	2,729	2,614	2,203	2,013	1,646	1,720	27,109
Washington	8	275	166	245	357	554	540	484	344	223	278	245	224	3,935
Oregon	38	695	767	1,393	2,443	3,490	3,332	3,050	2,638	1,967	1,742	1,260	969	23,746
California	6	23	12	8	36	182	150	96	30	20	7	25	91	680
Pacific	52	993	945	1,646	2,836	4,226	4,022	3,630	3,012	2,210	2,027	1,530	1,284	28,361
UNITED STATES	1,604	54,290	54,957	67,444	81,564	112,912	110,472	93,171	84,151	70,715	58,672	48,314	48,452	885,114

* Either 3 or 4 plants reporting.

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

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TABLE 10 -TOTAL AMERICAN CHEESE (made from whole milk) PRODUCED MONTHLY, BY STATES, 1949

State and division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	6	6	4	10	158	354	468	267	55	47	52	28	22	1,471
New England 1/	7	7	5	12	160	356	470	269	57	48	54	29	24	1,491
New York	113	1,011	953	2,310	4,110	8,324	8,186	4,027	1,637	2,582	3,748	1,394	1,067	39,354
Pennsylvania	11	27	23	39	143	132	254	87	70	59	85	71	88	1,278
Middle Atlantic 1/	125	1,038	976	2,349	4,253	8,456	8,453	4,114	1,707	2,641	3,833	1,470	1,155	40,657
Ohio	18	1,259	1,264	1,308	2,243	3,466	3,354	2,671	2,655	2,266	2,148	2,024	1,722	26,380
Indiana	27	2,459	2,357	2,376	3,459	5,122	4,880	4,073	3,934	3,263	2,751	2,287	1,913	38,910
Illinois	85	3,622	3,933	4,493	4,870	6,999	7,010	6,095	5,821	4,619	3,602	3,013	2,956	57,136
Michigan	39	1,314	1,375	1,842	2,102	3,046	3,235	2,732	2,543	2,349	1,937	1,440	1,455	25,370
Wisconsin	984	29,853	30,125	36,339	39,723	51,329	51,142	41,297	38,817	32,940	27,205	23,435	25,894	430,103
East North Central	1,153	38,507	39,054	46,358	52,397	69,962	69,621	56,868	53,770	45,437	37,770	32,205	33,950	577,899
Minnesota	53	4,738	4,886	5,674	5,640	6,547	6,109	4,197	3,454	3,057	2,938	3,205	3,704	54,309
Iowa	27	802	822	941	916	1,144	1,108	944	854	757	660	614	725	10,287
Missouri	45	3,039	2,814	3,571	5,122	7,238	7,308	7,757	7,982	6,735	5,002	4,084	3,462	64,114
South Dakota	*	103	93	140	135	148	194	159	104	78	75	78	117	1,464
Nebraska	*	123	135	154	169	229	211	148	112	59	13	14	16	1,383
Kansas	23	646	773	798	846	1,099	986	875	837	628	523	584	526	9,121
West North Central	156	9,611	9,673	11,278	12,828	16,445	15,916	14,090	13,343	11,314	9,231	8,579	8,550	140,677
South Atlantic 1/	5	71	56	73	99	226	302	319	313	273	219	148	99	2,198
Kentucky	19	1,275	1,165	1,294	2,367	3,350	3,086	2,988	1,278	3,031	2,098	1,521	890	26,351
Tennessee	28	1,643	1,884	2,528	3,922	5,622	4,974	5,184	5,242	3,927	2,531	2,062	1,772	41,311
Alabama	1	81	99	185	339	430	420	394	343	282	188	120	116	2,997
Mississippi	15	433	493	681	1,110	1,688	1,527	1,529	1,416	1,023	724	548	453	11,625
Arkansas	8	502	487	668	1,011	1,397	1,320	1,195	1,347	1,144	864	631	565	11,331
Oklahoma	15	739	850	980	1,127	1,564	1,373	1,042	945	819	518	485	519	10,741
Texas	14	316	356	469	606	792	749	657	532	402	340	275	284	5,748
South Central 1/	107	5,029	5,335	6,784	10,538	14,887	13,480	13,214	13,118	10,632	7,265	5,644	4,615	110,335
Montana	11	122	127	160	216	377	396	374	314	272	233	158	141	2,890
Idaho	21	1,289	1,144	1,374	1,566	2,080	2,052	1,777	1,664	1,502	1,300	1,104	1,139	17,991
Colorado	8	46	67	137	129	177	255	93	47	30	19	19	65	1,084
Utah	22	472	414	489	526	670	648	612	563	524	554	475	491	5,438
Mountain 1/	67	1,979	1,801	2,231	2,525	3,430	3,481	2,966	2,693	2,385	2,152	1,792	1,884	29,319
Washington	8	282	172	256	369	569	550	497	352	235	286	251	228	4,047
Oregon	38	695	767	1,441	2,503	3,559	3,395	3,116	2,638	1,967	1,814	1,329	1,040	24,264
California	16	267	262	372	470	533	470	403	280	241	225	100	307	4,130
Pacific	62	1,244	1,201	2,069	3,342	4,661	4,415	4,016	3,270	2,443	2,325	1,680	1,575	32,441
UNITED STATES	1,682	57,486	57,951	71,154	86,142	118,631	116,138	97,846	88,265	74,972	62,829	51,747	51,852	935,018

* Either 3 or 4 plants reporting.

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

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TABLE 11.-TOTAL CHEESE (excluding full-skim American and cottage) PRODUCED MONTHLY, BY STATES, 1949

State and division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Maine	8	150	189	296	495	419	499	305	87	75	82	53	55	2,705
Massachusetts	8	182	175	204	256	190	177	130	145	166	174	205	253	2,257
Connecticut	*	18	16	22	29	23	24	30	26	22	26	28	28	280
New England 1/	20	366	391	539	797	663	730	486	273	287	297	292	343	5,464
New York	156	4,646	4,596	6,448	8,322	12,315	11,553	7,058	4,998	6,227	7,573	5,283	5,516	84,535
New Jersey	*	136	138	233	212	143	140	106	112	115	115	101	135	1,689
Pennsylvania	31	851	784	1,017	1,043	1,212	1,078	768	854	886	872	971	1,005	11,343
Middle Atlantic	191	5,633	5,518	7,698	9,577	13,670	12,771	7,932	5,964	7,228	8,560	6,355	6,659	97,565
Ohio	51	2,809	2,803	2,980	3,655	5,217	5,046	4,012	4,235	3,956	3,587	3,428	3,099	44,387
Indiana	28	2,459	2,357	2,378	3,477	5,122	4,890	4,093	4,007	3,364	2,793	2,309	1,933	39,172
Illinois	120	5,409	5,621	6,608	7,073	9,431	9,247	8,028	7,722	6,673	5,818	5,102	4,983	81,711
Michigan	44	1,392	1,464	2,013	2,243	3,191	3,393	2,884	2,582	2,481	2,042	1,514	1,578	26,877
Wisconsin	1,304	39,065	39,330	48,292	52,670	65,988	64,225	54,950	49,744	43,298	36,786	33,194	36,478	563,980
West North Central	1,547	51,134	51,175	62,231	69,118	88,949	86,791	73,963	68,390	59,772	50,986	45,547	48,071	756,127
Minnesota	57	5,129	5,116	5,918	5,822	6,744	6,315	4,336	3,583	3,163	3,029	3,336	3,966	56,457
Iowa	30	880	871	990	969	1,197	1,165	982	905	801	698	644	776	10,828
Missouri	46	3,042	2,816	3,574	5,124	7,271	7,338	7,759	7,985	6,738	5,004	4,087	3,465	64,303
South Dakota	*	103	93	140	135	188	194	159	108	78	75	78	117	1,464
Nebraska	*	124	135	154	170	229	211	148	112	59	13	14	16	1,385
Kansas	24	646	775	802	846	1,099	986	875	837	628	523	588	526	9,127
West North Central	165	9,884	9,806	11,578	13,066	16,728	16,209	14,259	13,526	11,467	9,342	8,743	8,866	143,464
South Atlantic 1/	5	72	56	73	99	226	302	319	313	273	219	148	99	2,199
Kentucky	19	1,275	1,165	1,294	2,367	3,350	3,086	2,988	3,278	3,031	2,098	1,523	899	26,354
Tennessee	28	1,989	2,222	2,870	4,169	5,842	5,138	5,454	5,492	4,176	2,735	2,361	2,097	44,545
Alabama	7	81	99	185	339	430	420	394	343	282	188	120	116	2,997
Mississippi	15	433	493	681	1,110	1,688	1,527	1,530	1,416	1,024	724	548	453	11,627
Arkansas	8	502	487	668	1,011	1,397	1,320	1,395	1,347	1,144	864	631	565	11,331
Louisiana	*	27	29	48	84	74	57	43	27	26	22	26	34	497
Oklahoma	15	739	850	1,027	1,226	1,651	1,457	1,119	1,024	704	603	569	628	11,597
Texas	16	317	357	450	606	793	751	659	539	403	342	276	285	5,778
South Central	111	5,363	5,702	7,223	10,912	15,225	13,756	13,582	13,466	10,790	7,576	6,054	5,077	114,726
Montana	11	122	127	160	216	377	396	374	314	272	231	158	141	2,890
Idaho	27	1,403	1,289	1,585	1,757	2,361	2,355	2,069	1,950	1,767	1,542	1,296	1,348	20,682
Wyoming	*	157	147	167	188	236	266	251	229	190	166	144	145	2,286
Colorado	11	137	143	214	245	312	336	202	131	97	69	78	124	2,088
Arizona	*	74	97	52	54	51	54	44	43	14	45	53	54	635
Utah	23	899	795	931	971	1,161	1,098	1,006	913	852	923	862	931	11,342
Mountain 1/	80	2,813	2,616	3,102	3,472	4,557	4,566	3,994	3,626	3,202	2,983	2,595	2,756	40,282
Washington	13	360	237	341	458	755	737	738	641	443	468	413	329	5,920
Oregon	40	702	773	1,473	2,567	3,632	3,454	3,164	2,679	1,998	1,842	1,389	1,054	24,691
California	36	705	665	863	921	961	931	851	746	670	703	785	772	9,573
Pacific	89	1,767	1,675	2,677	3,946	5,348	5,122	4,753	4,066	3,111	3,013	2,587	2,155	40,184
UNITED STATES	2,208	77,032	76,939	95,121	110,987	145,366	140,247	119,292	109,624	96,130	82,066	72,281	74,026	1,200,011

* Either 3 or 4 plants reporting.

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

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TABLE 12-COTTAGE CHEESE CURD PRODUCED MONTHLY, BY STATES, 1949

State and division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Maine	*	144	151	172	138	152	140	145	117	126	120	121	115	1,671
New Hampshire	*	3	3	4	5	5	5	4	4	4	4	4	4	49
Vermont	10	584	598	865	868	1,125	1,163	1,010	899	912	895	613	494	10,046
Massachusetts	6	55	22	23	12	11	12	10	9	10	9	10	4	187
Connecticut	8	27	33	79	72	89	80	77	73	59	57	64	62	753
New England 1/	31	814	824	1,151	1,106	1,371	1,409	1,255	1,110	1,119	1,092	837	686	12,799
New York	160	2,591	2,971	4,033	3,718	4,052	4,493	4,072	3,823	3,259	3,208	2,853	2,799	42,782
New Jersey	11	11	18	27	41	62	37	35	20	17	17	18	26	329
Pennsylvania	113	1,040	1,552	1,458	1,407	1,640	1,547	1,407	1,146	1,776	1,227	1,069	1,090	16,557
Middle Atlantic	304	3,642	4,541	5,518	5,166	6,664	6,077	5,514	5,189	5,052	4,452	3,940	3,915	59,668
Ohio	274	1,784	1,790	2,404	2,196	2,235	2,158	2,025	1,846	1,765	1,629	1,713	1,697	23,482
Indiana	90	682	686	836	739	853	847	792	760	650	630	569	588	8,654
Illinois	102	1,115	1,213	1,563	1,438	1,468	1,457	1,384	1,276	1,273	1,314	1,282	1,282	16,049
Michigan	118	1,419	1,170	1,775	1,519	1,581	1,641	1,543	1,392	1,333	1,397	1,325	1,350	17,645
Wisconsin	159	1,346	1,510	1,929	1,629	1,637	1,583	1,494	1,412	1,404	1,527	1,442	1,418	18,322
East North Central	743	6,346	6,569	8,509	7,562	7,774	7,686	7,222	6,716	6,425	6,697	6,331	6,315	84,152
Minnesota	27	514	515	612	563	578	568	567	537	470	528	493	445	6,390
Iowa	51	372	412	502	439	460	443	401	378	344	377	373	387	4,886
Missouri	43	580	623	936	741	698	705	677	618	565	565	524	536	7,768
South Dakota	10	19	20	25	26	26	26	22	16	20	17	15	15	247
Nebraska	26	147	162	229	201	212	208	226	210	180	200	196	190	2,361
Kansas	78	491	546	661	559	565	592	563	542	555	524	458	424	6,524
West North Central 1/	237	2,331	2,286	2,979	2,545	2,555	2,556	2,471	2,351	2,143	2,222	2,066	2,005	28,310
Maryland	7	186	197	322	251	257	245	246	234	198	211	204	193	2,744
Virginia	15	71	68	128	192	261	194	160	150	139	129	136	99	1,727
West Virginia	33	237	201	242	245	246	242	236	222	178	175	164	172	2,560
North Carolina	11	94	93	119	102	98	90	95	94	92	103	86	92	1,158
Georgia	5	6	7	10	10	12	11	13	12	10	10	11	12	124
Florida	8	93	89	113	92	84	84	47	77	55	50	55	47	886
South Atlantic 1/	62	717	685	966	924	994	902	834	823	704	713	687	646	9,595
Kentucky	22	328	335	466	428	435	411	420	398	378	387	374	358	4,718
Tennessee	26	97	104	159	158	172	173	172	162	142	136	126	125	1,726
Alabama	*	26	28	40	46	48	35	35	40	32	23	21	18	392
Arkansas	*	35	41	55	61	64	73	74	70	61	62	49	37	682
Louisiana	*	80	79	130	145	195	234	208	223	165	133	107	122	1,821
Oklahoma	40	259	264	376	387	342	366	361	384	340	442	489	479	4,488
Texas	22	207	255	342	294	365	365	351	350	332	355	333	304	3,855
South Central 1/	123	1,032	1,107	1,569	1,521	1,623	1,659	1,625	1,629	1,452	1,539	1,500	1,444	17,700
Montana	15	54	54	70	76	75	75	77	86	72	78	70	65	852
Idaho	13	46	50	72	70	69	80	85	77	63	61	65	55	793
Wyoming	8	19	20	23	22	23	22	24	24	17	13	17	17	241
Colorado	43	188	205	274	250	283	271	278	288	240	236	225	231	2,969
New Mexico	*	2	1	1	20	34	41	37	16	1	2	14	18	187
Arizona	*	90	89	111	97	102	87	79	73	69	66	61	57	981
Utah	12	169	163	239	231	217	219	220	205	193	187	182	170	2,395
Nevada	*	4	4	4	4	5	5	6	5	5	3	4	3	52
Mountain	101	572	586	794	770	808	800	806	774	660	646	638	616	8,470
Washington	28	702	691	894	893	964	926	911	889	852	817	788	819	10,146
Oregon	22	259	249	380	366	333	307	303	303	259	239	237	218	3,473
California	67	3,446	3,600	4,417	4,623	4,541	4,461	4,325	4,137	4,109	4,039	3,963	3,833	49,294
Pacific	117	4,407	4,540	5,691	5,702	5,838	5,694	5,539	5,329	5,220	5,095	4,988	4,870	62,913
UNITED STATES	1,738	19,666	21,138	27,177	25,296	27,627	26,783	25,266	23,939	22,775	22,456	20,937	20,497	283,607

* Either 3 or 4 plants reporting.

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

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TABLE 13-COTTAGE CHEESE, CREAMED, PRODUCED MONTHLY, BY STATES, 1949

State and division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Maine	•	164	189	206	165	176	163	165	161	143	138	136	123	1,929
Vermont	8	585	583	748	738	901	871	831	727	646	708	634	688	8,660
Massachusetts	6	41	38	44	30	32	34	27	26	25	24	25	30	376
Connecticut	8	34	42	72	71	74	85	84	77	65	61	62	63	790
New England 1/	27	825	853	1,072	1,007	1,186	1,156	1,109	993	881	934	859	906	11,781
New York	46	1,707	2,000	2,646	2,246	2,467	2,713	2,673	2,519	2,085	2,192	2,200	2,180	27,628
New Jersey	7	122	149	269	175	201	172	144	162	122	141	117	117	1,891
Pennsylvania	57	617	643	865	772	828	798	741	698	628	637	609	641	8,477
Middle Atlantic	110	2,446	2,792	3,780	3,193	3,496	3,683	3,558	3,379	2,835	2,970	2,926	2,938	37,996
Ohio	212	1,871	1,924	2,693	2,392	2,446	2,424	2,234	2,050	1,889	1,997	1,913	1,982	25,815
Indiana	65	541	537	672	675	682	677	643	593	563	573	537	548	7,241
Illinois	91	309	922	1,214	1,174	1,184	1,154	1,088	1,001	950	1,048	1,009	977	12,670
Michigan	156	1,808	1,736	2,270	2,004	2,025	2,062	1,951	1,736	1,627	1,751	1,723	1,700	22,393
Wisconsin	110	841	826	1,111	995	982	1,052	1,007	1,007	944	967	977	951	11,660
East North Central	634	5,970	5,945	7,960	7,240	7,319	7,369	6,923	6,387	6,013	6,336	6,159	6,158	79,779
Minnesota	25	670	659	839	749	764	780	722	692	589	628	601	548	8,241
Iowa	43	303	312	416	384	423	409	357	354	319	350	342	329	4,298
Missouri	37	563	602	957	771	723	754	726	677	614	628	602	644	8,261
North Dakota	5	13	14	17	17	20	19	18	18	15	15	13	15	194
South Dakota	12	36	48	53	44	45	45	44	43	37	37	34	35	501
Nebraska	28	224	251	339	311	300	306	314	289	262	269	251	228	3,344
Kansas	15	237	221	320	267	267	264	235	266	290	264	176	162	2,969
West North Central	165	2,046	2,107	2,941	2,543	2,542	2,577	2,416	2,339	2,126	2,191	2,019	1,961	27,808
Maryland	•	258	269	438	339	337	328	323	313	263	282	272	262	3,684
Virginia	5	11	13	53	99	133	120	94	89	75	64	66	49	866
West Virginia	33	250	211	279	277	268	267	251	234	212	207	194	198	2,648
North Carolina	10	43	44	57	49	49	45	47	48	47	49	44	50	572
Georgia	5	6	6	10	9	13	12	13	11	11	11	12	13	127
Florida	10	99	82	97	93	87	87	33	79	53	47	56	49	862
South Atlantic 1/	68	699	657	967	901	926	899	802	811	695	698	677	654	9,386
Kentucky	18	216	209	362	311	300	282	270	256	251	249	241	240	3,196
Tennessee	22	115	122	194	190	203	207	207	195	176	167	155	156	2,087
Alabama	•	18	19	24	24	24	23	22	27	25	20	19	18	263
Louisiana	•	52	55	80	93	104	114	113	115	109	96	74	74	1,079
Oklahoma	41	334	350	473	460	422	456	423	447	416	433	413	416	5,043
Texas	32	338	383	546	481	503	490	473	475	456	427	403	393	5,368
South Central 1/	123	1,085	1,159	1,710	1,596	1,606	1,615	1,552	1,557	1,468	1,425	1,337	1,327	17,437
Montana	13	68	72	92	99	95	97	87	105	84	85	83	82	1,049
Idaho	16	65	60	85	85	91	95	94	91	81	68	73	69	957
Wyoming	5	10	11	13	12	12	11	11	11	8	8	9	9	125
Colorado	26	84	87	171	154	143	149	172	177	147	164	159	160	1,767
Arizona	•	137	130	165	141	• 146	128	112	107	101	98	90	83	1,438
Utah	11	243	237	361	333	308	308	310	300	274	256	260	253	3,443
Nevada	5	8	9	9	9	10	10	11	10	9	9	9	8	111
Mountain 1/	81	630	621	916	854	826	823	819	817	721	706	698	684	9,115
Washington	28	1,245	1,193	1,519	1,485	1,547	1,498	1,384	1,428	1,270	1,268	1,254	1,209	16,300
Oregon	23	318	336	484	426	487	470	451	442	393	393	386	361	4,947
California	75	5,215	5,324	6,407	6,453	6,446	6,521	6,059	6,181	6,120	5,961	5,839	5,681	72,217
Pacific	126	6,778	6,853	8,410	8,374	8,480	8,489	7,894	8,051	7,783	7,622	7,479	7,251	93,464
UNITED STATES	1,334	20,479	20,987	27,756	25,708	26,381	26,611	25,073	24,334	22,522	22,882	22,154	21,879	286,766

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

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TABLE 14 -PLAIN CONDENSED WHOLE MILK — BULK GOODS —(unsweetened) PRODUCED MONTHLY, BY STATES, 1949

State	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
New York	22	1,246	1,437	4,291	4,106	4,297	5,537	9,376	8,627	6,230	4,199	3,641	4,649	57,636
Pennsylvania	13	851	894	1,315	1,999	2,588	2,573	2,499	2,565	1,455	1,465	1,501	1,472	21,177
Ohio	13	821	461	781	1,539	1,477	1,538	1,363	1,517	645	657	457	541	11,597
Indiana	7	885	789	1,408	1,318	1,413	1,375	1,547	1,532	1,740	1,666	1,256	1,352	16,281
Illinois	*	182	151	170	206	228	189	192	120	193	239	174	129	2,173
Michigan	8	900	803	492	577	673	698	1,100	967	559	567	423	382	8,141
Wisconsin	10	2,530	3,259	2,583	2,634	2,819	2,526	2,766	2,912	1,862	1,725	1,394	999	27,207
Missouri	7	157	258	432	394	236	237	187	215	87	111	149	143	2,606
Maryland	*	878	902	1,170	1,487	1,687	1,910	1,767	1,822	1,527	1,116	807	836	15,909
Oklahoma	*	12	12	120	117	352	180	282	425	311	226	238	188	2,463
Washington	5	73	188	363	457	596	586	554	528	347	159	143	159	4,153
California	13	617	681	1,160	1,232	1,629	1,145	1,614	1,678	1,804	1,370	1,682	1,339	15,951
All other States	19	326	231	1,255	1,937	2,439	2,749	3,035	2,329	1,282	478	296	422	16,779
UNITED STATES	129	9,278	10,066	15,540	17,803	20,434	21,241	26,282	25,237	18,042	13,978	12,161	12,011	202,073

* Either 3 or 4 plants reporting.

TABLE 15-PLAIN CONDENSED SKIM MILK — BULK GOODS —(unsweetened) PRODUCED MONTHLY, BY STATES, 1949

State	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	*	502	600	613	585	737	1,038	1,270	1,302	532	375	333	181	8,068
Connecticut	*	14	16	40	41	45	28	20	16	8	16	11	9	264
New York	39	4,091	4,071	5,401	6,514	8,795	9,619	6,972	6,740	4,246	4,874	4,136	3,430	68,889
Pennsylvania	30	998	1,127	2,089	2,523	3,035	3,863	3,886	3,301	2,037	1,277	1,052	675	25,853
Ohio	41	1,889	1,913	1,703	2,032	2,703	3,160	2,830	2,160	1,991	1,944	1,429	1,335	25,109
Indiana	14	929	715	624	657	1,561	1,605	1,998	1,649	923	888	737	743	13,029
Illinois	14	1,560	1,341	2,381	2,047	2,424	2,559	3,040	2,776	2,214	1,952	1,982	1,765	26,641
Michigan	22	2,088	2,418	2,514	2,127	2,853	3,238	2,769	2,401	1,415	1,541	1,167	1,188	25,719
Wisconsin	45	9,335	7,362	9,333	9,530	11,439	10,919	8,965	8,548	7,379	7,392	6,839	7,436	104,477
Minnesota	9	721	839	767	735	919	1,163	822	863	594	715	595	303	9,036
Iowa	13	798	952	858	974	1,272	1,346	1,304	1,144	629	553	468	516	10,814
Missouri	13	2,064	1,525	1,047	1,697	2,606	2,439	2,674	2,704	2,446	2,466	1,839	1,789	25,296
Nebraska	*	24	71	266	126	166	156	247	162	49	53	57	32	1,409
Kansas	12	1,845	1,623	1,669	2,177	2,811	3,097	3,030	3,489	3,370	2,820	2,334	2,022	30,287
Maryland	5	257	508	704	1,218	2,076	1,424	956	1,205	1,093	1,046	948	897	12,332
Virginia	11	1,346	1,223	1,586	1,572	2,228	2,490	2,970	2,864	2,578	2,890	1,614	1,377	24,098
North Carolina	5	63	66	70	126	273	226	228	264	122	76	70	81	1,665
Georgia	*	2	-	1	50	44	40	45	23	21	-	1	7	234
Kentucky	5	88	252	207	176	218	250	286	241	185	207	168	117	2,395
Tennessee	8	1,082	1,027	1,026	767	955	932	1,141	1,350	1,936	1,563	1,010	951	13,740
Alabama	*	87	123	220	315	343	292	302	272	206	149	96	84	2,489
Mississippi	*	354	275	369	470	641	631	705	725	633	597	564	456	6,420
Oklahoma	8	336	272	224	212	471	720	492	506	423	408	409	317	4,790
Texas	19	1,057	950	967	1,768	1,851	1,803	1,588	1,650	1,480	1,447	1,185	1,251	16,997
Colorado	*	13	16	71	90	126	130	98	82	80	58	58	58	880
Utah	*	126	113	180	159	201	247	236	239	176	162	149	164	2,152
Washington	7	36	23	66	188	224	217	257	230	211	144	118	132	1,802
California	27	3,863	3,982	5,858	5,715	6,262	6,314	6,395	5,832	5,195	4,517	4,543	4,505	62,981
All other States	14	686	763	436	492	449	443	618	499	457	1,131	1,113	891	7,978
UNITED STATES	385	36,248	34,766	41,252	45,083	57,728	60,389	56,144	53,257	42,629	40,661	35,015	32,712	535,894

* Either 3 or 4 plants reporting.

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TABLE 16-EVAPORATED WHOLE MILK—CASE GOODS—(unsweetened) PRODUCED MONTHLY, BY STATES, 1949

State and division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
New York	5	904	1,853	6,951	8,362	17,171	16,221	5,780	2,581	2,275	1,929	1,338	1,273	66,638
Pennsylvania	*	1,265	1,582	2,878	4,547	6,832	6,617	5,287	4,555	1,755	2,820	1,881	2,062	44,051
Middle Atlantic	8	2,169	3,435	9,829	12,909	24,003	22,838	11,077	7,136	6,030	4,749	3,219	3,335	110,689
Ohio	12	15,877	14,714	20,303	26,064	36,054	38,274	32,080	29,534	22,109	17,264	14,065	13,875	280,213
Indiana	5	6,348	7,325	8,741	11,717	11,926	11,401	9,961	7,190	6,144	4,779	4,476	4,633	94,641
Illinois	10	13,371	13,251	15,757	16,927	21,673	20,197	17,002	14,282	9,803	8,349	5,927	9,513	166,052
Michigan	6	6,989	6,762	10,336	10,766	17,362	17,332	14,382	12,775	8,797	7,523	6,114	8,618	127,756
Wisconsin	10	18,186	41,029	50,011	55,267	73,251	71,896	60,031	50,617	40,677	32,615	28,459	36,537	578,578
East North Central	63	80,771	83,081	105,148	120,741	160,268	159,100	133,456	114,398	87,530	70,550	59,041	73,176	1,247,240
Iowa	*	3,153	3,191	4,303	3,836	4,918	4,803	3,249	2,588	2,099	2,077	2,165	2,783	39,165
Missouri	6	7,328	8,502	13,109	15,438	20,373	19,672	20,252	19,882	15,395	10,871	6,890	5,684	163,396
Kansas	*	3,543	3,337	5,120	5,850	7,709	6,652	6,284	5,312	3,584	2,894	2,761	3,491	56,537
West North Central 1/	14	16,876	18,271	25,592	27,945	36,383	34,472	32,009	29,809	22,331	17,053	12,841	13,131	286,713
South Atlantic 1/	6	5,480	4,714	6,129	11,995	20,989	21,236	19,836	20,672	18,090	13,541	8,746	6,980	158,369
Kentucky	*	8,396	8,001	12,000	18,001	25,367	24,847	25,447	25,188	20,535	14,012	9,703	8,319	199,816
Tennessee	*	3,736	3,896	9,080	11,676	18,177	18,718	19,224	16,201	12,086	7,732	4,997	4,304	128,823
Mississippi	*	1,772	2,213	3,194	5,978	7,837	7,177	7,429	6,669	4,856	3,401	2,395	1,921	54,842
Texas	*	1,223	1,447	2,356	3,369	3,827	3,458	3,580	3,166	2,152	1,638	1,096	1,017	28,439
South Central 1/	15	17,029	17,136	27,925	42,351	58,907	58,192	59,512	55,622	42,790	29,075	20,036	17,164	445,739
Utah	*	5,042	4,265	5,422	5,773	7,000	6,869	6,922	5,465	4,850	3,548	1,474	4,354	61,680
Mountain 1/	8	11,840	10,987	13,874	14,705	17,368	16,952	15,800	14,273	11,741	10,356	9,730	10,783	158,009
Washington	*	3,537	4,313	4,598	7,263	10,575	10,258	7,722	5,026	3,417	3,264	3,210	3,368	66,551
California	12	17,704	18,214	21,937	27,456	28,612	25,702	26,389	25,786	21,479	18,996	15,921	20,330	268,496
Pacific 1/	18	22,348	23,237	27,396	36,119	40,699	37,364	35,699	31,663	26,301	23,450	19,927	24,778	348,981
All other States	17	18,139	16,966	20,797	28,474	39,911	39,950	36,848	36,796	31,200	25,046	18,668	17,265	330,060
UNITED STATES	132	156,513	160,861	215,893	266,766	358,577	350,154	306,989	273,573	214,813	168,754	133,540	149,347	2,755,780

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

TABLE 17-UNIED WHOLE MILK PRODUCED MONTHLY, BY STATES, 1949

State	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
New York	7	449	548	1,553	1,647	3,262	2,969	1,814	2,166	2,690	1,200	731	2,606	21,635
Ohio	*	858	924	772	868	1,146	688	467	460	614	1,003	711	940	9,651
Indiana	5	378	146	164	354	472	467	435	610	464	139	234	372	4,835
Michigan	10	1,076	1,102	1,151	854	1,120	1,116	950	987	1,127	903	744	824	11,954
Wisconsin	26	5,479	4,303	4,350	4,166	4,991	3,459	3,758	3,363	3,077	3,156	3,024	2,522	45,648
Minnesota	7	2,196	1,281	2,083	2,487	1,929	1,887	3,107	1,385	705	582	941	1,529	20,072
California	8	182	358	634	349	436	370	1,283	632	623	976	426	497	6,766
All other States	14	282	69	152	867	844	716	514	473	787	383	301	850	5,578
UNITED STATES	80	10,900	8,731	10,859	11,592	14,402	11,672	12,328	10,076	10,087	8,342	7,112	9,540	125,541

* Either 3 or 4 plants reporting.

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TABLE 18-SPRAY PROCESS BUTTAT DRY MILK SOLIDS (for human consumption) PRODUCED MONTHLY, BY STATES, 1949

State	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	*	591	565	1,191	1,461	1,951	1,594	1,170	925	1,025	1,400	889	1,050	13,832
New York	14	3,405	3,353	3,846	5,506	5,337	4,572	4,196	2,978	3,002	4,435	3,946	2,764	47,640
Pennsylvania	7	334	297	799	1,051	1,636	1,414	918	818	577	428	459	454	9,185
Ohio	11	1,372	1,328	2,070	2,304	3,627	3,434	3,115	3,525	3,309	2,646	2,240	1,983	31,025
Indiana	13	1,028	1,192	2,052	2,211	3,016	2,975	2,556	2,498	2,270	1,702	1,047	857	23,624
Illinois	*	233	353	457	322	737	467	261	177	249	237	245	152	3,925
Michigan	14	2,326	2,343	3,318	3,993	4,378	3,889	3,145	3,285	3,114	2,535	2,481	2,733	37,526
Wisconsin	49	11,884	12,548	16,460	17,690	20,305	19,635	16,385	15,275	12,005	9,122	10,249	13,707	175,246
Minnesota	32	13,643	12,148	13,524	13,858	15,619	14,025	9,727	6,523	6,950	6,009	6,355	9,396	127,775
Iowa	*	510	520	677	741	826	706	567	417	373	214	213	416	6,172
Missouri	*	1,851	1,730	1,794	2,812	4,278	3,938	3,672	3,609	2,528	1,917	1,498	1,410	31,037
Kansas	6	699	723	860	1,141	1,572	1,252	1,048	1,024	616	299	437	614	10,257
Virginia	*	26	11	310	345	815	1,474	746	799	851	406	295	439	6,221
Idaho	8	2,296	2,048	2,593	2,742	3,182	2,973	1,015	2,451	2,145	2,425	2,331	2,125	30,128
Utah	5	265	369	360	467	694	492	548	447	360	341	283	353	5,177
Washington	*	335	180	393	585	1,093	1,064	1,045	1,125	814	704	611	517	8,147
Oregon	*	86	109	247	356	1,119	1,251	1,080	847	473	403	343	427	6,977
California	17	1,983	1,605	3,253	5,198	5,733	5,541	5,370	4,902	3,042	2,843	2,101	3,070	46,433
All other States	11	540	859	903	1,465	1,697	1,237	1,094	1,179	620	435	420	595	11,054
UNITED STATES	209	40,770	42,881	54,900	64,620	77,607	72,423	59,881	54,698	44,534	38,499	36,051	43,079	629,141

* Either 3 or 4 plants reporting.

TABLE 19--ROLLER PROCESS BUTTAT DRY MILK SOLIDS (for human consumption) PRODUCED MONTHLY, BY STATES, 1949

State	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	7	266	346	725	857	1,335	1,114	676	334	367	513	372	522	7,227
New York	39	1,120	1,502	3,264	5,571	8,208	7,027	3,838	2,608	3,092	2,881	2,354	2,941	44,406
Pennsylvania	11	139	175	298	484	693	539	240	175	343	284	77	264	3,691
Ohio	17	663	802	1,047	1,486	2,049	1,839	1,404	1,494	1,465	918	590	572	14,329
Indiana	10	697	972	1,034	1,380	2,023	2,140	1,945	1,851	1,674	1,214	939	743	16,612
Illinois	13	344	480	674	1,101	1,491	1,325	978	1,015	661	495	362	409	9,335
Michigan	25	1,493	1,503	1,765	1,939	2,185	2,207	2,438	2,555	2,284	1,751	1,699	2,059	25,883
Wisconsin	56	4,542	5,257	7,856	10,071	13,127	11,954	9,418	7,036	4,524	3,265	3,162	4,921	84,935
Minnesota	53	4,852	4,454	6,252	5,891	7,165	6,484	4,651	3,240	2,222	2,233	2,941	3,620	53,215
Iowa	10	513	561	677	729	836	762	650	639	568	484	439	490	7,548
Missouri	7	416	466	484	634	727	735	758	790	737	445	418	350	6,940
Kansas	*	42	81	179	253	395	327	232	184	32	30	50	120	1,925
Maryland	5	57	185	454	887	1,424	1,080	547	901	662	434	36	531	7,168
Mississippi	*	72	110	253	381	436	385	391	320	156	72	81	115	2,772
Washington	9	60	85	273	571	1,146	1,097	907	743	500	441	196	159	6,178
California	9	181	200	485	1,048	1,297	1,126	1,153	923	487	482	256	499	8,117
All other States	14	175	205	333	517	702	556	430	349	291	249	165	268	4,240
UNITED STATES	293	14,832	17,388	26,055	33,800	46,029	41,697	30,646	25,157	19,870	16,171	14,097	18,585	304,321

* Either 3 or 4 plants reporting.

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TABLE 20 - ICE CREAM PRODUCED MONTHLY FOR WHOLESALE, BY STATES, 1949

State and division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1949
		1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.
Maine	11	136	141	177	179	260	344	400	423	271	168	162	139	2,800
New Hampshire	10	42	41	70	79	105	130	153	157	75	59	51	45	1,007
Vermont	7	58	60	86	82	122	169	181	189	106	72	75	57	1,239
Massachusetts	76	1,034	1,030	1,315	1,420	1,876	2,304	2,231	2,304	1,473	1,169	1,140	974	18,270
Rhode Island	22	186	185	242	261	367	468	509	510	295	232	216	186	3,657
Connecticut	31	334	349	496	511	666	790	849	799	487	426	403	312	6,442
New England	157	1,790	1,806	2,386	2,532	3,396	4,205	4,303	4,382	2,707	2,126	2,047	1,733	33,415
New York	311	2,652	2,838	3,718	4,266	5,532	6,900	6,667	6,589	4,109	3,447	3,095	2,744	52,557
New Jersey	32	316	349	592	698	932	1,176	1,259	1,212	714	503	455	379	8,585
Pennsylvania	230	3,602	3,753	4,671	5,004	6,205	7,261	7,745	7,506	5,318	4,312	3,916	3,571	62,864
Middle Atlantic	573	6,570	6,940	8,981	9,968	12,669	15,337	15,671	15,307	10,141	8,262	7,466	6,694	124,006
Ohio	198	1,868	1,870	2,251	2,427	3,247	3,570	3,810	3,588	2,328	2,148	1,814	1,651	30,572
Indiana	113	902	906	1,153	1,344	1,612	1,926	2,084	2,019	1,388	1,259	986	864	16,443
Illinois	165	1,665	1,705	2,351	2,497	3,057	3,601	3,825	3,530	2,322	2,044	1,815	1,633	30,045
Michigan	219	1,208	1,244	1,644	1,926	2,485	3,057	3,240	3,074	1,770	1,650	1,312	1,178	23,788
Wisconsin	114	712	742	970	1,020	1,308	1,667	1,816	1,727	1,027	980	837	737	13,543
East North Central	809	6,355	6,467	8,369	9,214	11,709	13,821	14,775	13,938	8,835	8,081	6,764	6,063	114,391
Minnesota	89	729	710	980	1,044	1,347	1,711	1,725	1,689	981	898	793	691	13,298
Iowa	88	539	547	803	962	1,029	1,278	1,330	1,252	783	755	660	620	10,458
Missouri	83	722	841	1,181	1,283	1,577	1,789	1,946	1,789	1,211	1,075	934	787	15,135
North Dakota	35	95	102	141	163	204	262	273	276	172	145	132	106	2,071
South Dakota	16	107	128	174	192	246	305	333	325	201	163	162	129	2,466
Nebraska	56	242	289	403	465	571	693	753	708	451	467	352	320	5,714
Kansas	95	224	269	417	436	519	681	705	645	434	381	325	269	5,245
West North Central	462	2,658	2,886	4,099	4,445	5,493	6,659	7,065	6,684	4,233	3,884	3,358	2,922	54,386
District of Columbia	9	366	413	495	505	595	665	709	675	511	455	413	377	6,179
Maryland	27	435	473	604	646	797	940	947	901	668	601	474	442	7,928
Virginia	50	536	612	707	746	905	1,060	1,113	1,019	816	662	551	484	9,214
West Virginia	30	328	364	407	439	610	731	737	692	484	336	249	240	5,617
North Carolina	54	723	760	897	961	1,171	1,388	1,473	1,439	1,163	987	834	683	12,479
South Carolina	16	131	153	178	185	238	236	265	285	202	164	109	90	2,236
Georgia	34	350	384	488	536	698	690	722	713	565	453	340	281	6,220
Florida	39	624	791	745	703	693	702	708	705	681	584	461	497	7,894
South Atlantic 1/	260	3,625	4,069	4,676	4,881	5,905	6,634	6,908	6,663	5,263	4,373	3,555	3,190	59,742
Kentucky	40	238	258	304	330	437	445	508	458	326	305	238	218	4,065
Tennessee	74	584	691	858	977	1,260	1,367	1,503	1,360	1,041	841	645	526	11,633
Alabama	41	341	351	441	501	681	699	734	726	589	473	311	264	6,111
Mississippi	41	166	162	237	269	353	363	379	376	322	253	186	144	3,210
Arkansas	15	112	154	169	212	296	334	327	296	243	162	127	89	2,521
Louisiana	32	350	366	487	558	758	760	728	765	654	531	361	319	6,637
Oklahoma	63	242	324	460	540	633	740	701	652	485	430	368	291	5,866
Texas	143	986	1,198	1,753	1,836	2,529	2,607	2,576	2,521	2,144	1,644	1,416	1,095	22,305
South Central	449	3,019	3,504	4,709	5,223	6,947	7,315	7,456	7,134	5,804	4,639	3,652	2,946	62,348
Montana	60	87	100	147	171	209	239	276	292	166	120	122	96	2,025
Idaho	31	75	93	139	171	190	220	261	254	174	118	116	92	1,903
Wyoming	16	26	29	38	44	49	60	66	70	42	37	36	29	526
Colorado	62	234	288	378	398	456	508	583	619	418	343	318	270	4,813
New Mexico	15	44	54	77	80	94	107	121	117	93	64	60	52	963
Arizona	8	99	96	131	133	153	139	131	134	128	95	80	65	1,384
Utah	20	92	112	167	176	194	220	254	252	200	137	138	99	2,041
Nevada	6	24	14	47	63	59	83	93	89	70	43	41	33	679
Mountain	218	681	806	1,124	1,236	1,404	1,576	1,785	1,827	1,291	957	911	736	14,334
Washington	50	315	368	493	569	680	734	719	739	584	384	384	334	6,303
Oregon	69	282	297	445	507	578	648	646	652	517	360	346	299	5,577
California	261	1,590	2,029	2,625	2,981	3,021	3,639	3,311	3,509	3,321	2,290	2,260	1,714	32,301
Pacific	380	2,187	2,694	3,563	4,057	4,279	5,021	4,696	4,891	4,422	3,034	2,990	2,347	44,181
UNITED STATES	3,308	26,885	29,172	37,909	41,556	51,802	60,568	62,659	60,826	42,696	35,356	30,743	26,631	506,803

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

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TABLE 21.-TOTAL ICE CREAM PRODUCED MONTHLY, BY STATES, 1969 1/

State and division	Number plants	January	February	March	April	May	June	July	August	September	October	November	December	Total 1969
		1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.
Maine	63	140	144	182	185	272	371	442	440	277	174	170	145	2,562
New Hampshire	76	50	49	84	95	126	156	184	189	90	71	61	54	1,209
Vermont	28	61	64	92	87	127	174	168	196	110	76	79	61	1,895
Massachusetts	392	1,085	1,084	1,384	1,535	2,048	2,524	2,668	2,503	1,571	1,237	1,193	1,039	19,671
Rhode Island	91	197	197	262	290	398	515	564	556	318	251	230	197	3,975
Connecticut	171	355	367	527	546	715	855	913	835	525	458	427	356	6,899
New England	821	1,888	1,905	2,531	2,738	3,686	4,595	4,739	4,759	2,891	2,267	2,160	1,852	36,011
New York	2,816	3,042	3,263	4,273	4,895	6,336	7,909	7,648	7,550	4,700	3,962	3,562	3,174	60,314
New Jersey	230	369	400	665	775	1,031	1,283	1,379	1,350	797	588	506	442	9,595
Pennsylvania	1,562	3,882	4,035	5,033	5,407	8,703	7,873	8,906	8,347	4,815	4,705	4,284	3,879	68,129
Middle Atlantic	4,608	7,293	7,698	9,961	11,077	14,070	17,065	17,933	17,047	11,312	9,235	8,312	7,495	137,998
Ohio	1,395	2,043	2,047	2,469	2,679	3,575	3,970	4,230	3,977	2,602	2,384	2,005	1,841	33,822
Indiana	556	990	997	1,264	1,472	1,770	2,122	2,311	2,217	1,516	1,373	1,077	949	18,058
Illinois	924	1,846	1,875	2,569	2,816	3,443	4,094	4,375	4,047	2,593	2,275	2,007	1,818	33,758
Michigan	796	1,330	1,370	1,810	2,121	2,736	3,346	3,567	3,384	1,949	1,817	1,485	1,297	26,192
Wisconsin	650	844	876	1,160	1,253	1,621	2,089	2,280	2,162	1,297	1,211	1,009	888	16,690
East North Central	4,121	7,053	7,165	9,272	10,341	13,145	15,641	16,763	15,787	9,957	9,060	7,583	6,793	128,520
Minnesota	251	767	749	1,030	1,099	1,412	1,821	1,813	1,778	1,037	945	836	732	14,019
Iowa	363	581	591	857	928	1,124	1,437	1,490	1,391	890	830	721	678	11,518
Missouri	243	742	871	1,221	1,328	1,630	1,859	2,033	1,868	1,272	1,125	971	829	15,739
North Dakota	76	101	109	150	175	222	281	290	294	183	154	140	112	2,211
South Dakota	69	115	137	186	205	266	324	351	343	211	172	170	134	2,614
Nebraska	252	262	312	434	509	625	756	819	773	498	500	383	341	6,222
Kansas	272	265	318	496	559	665	806	883	803	511	457	386	315	6,484
West North Central	1,526	2,833	3,087	4,374	4,803	5,944	7,284	7,679	7,250	4,622	4,183	3,607	3,131	58,797
District of Columbia	39	377	423	506	516	607	677	720	666	520	464	422	385	6,303
Delaware	20	138	125	161	168	203	230	241	240	178	135	128	100	2,047
Maryland	89	453	498	629	672	825	964	974	928	691	625	492	462	8,213
Virginia	214	560	638	741	788	961	1,123	1,186	1,083	867	709	585	512	9,753
West Virginia	126	346	381	431	464	642	770	777	729	513	397	266	257	5,933
North Carolina	177	776	816	966	1,041	1,270	1,494	1,582	1,539	1,251	1,063	891	741	13,430
South Carolina	39	135	156	182	189	245	262	273	294	210	171	115	94	2,306
Georgia	68	357	391	496	545	707	699	732	724	574	462	348	288	6,323
Florida	83	665	825	778	737	729	717	743	736	712	613	483	526	8,274
South Atlantic	855	3,797	4,253	4,890	5,120	6,189	6,936	7,228	6,999	5,516	4,599	3,730	3,365	62,582
Kentucky	125	253	272	323	348	462	472	540	487	347	325	254	232	4,315
Tennessee	273	605	718	887	1,015	1,321	1,430	1,573	1,412	1,094	883	677	595	12,160
Alabama	122	355	367	457	525	711	785	759	752	613	492	327	276	6,359
Mississippi	161	180	177	255	290	380	389	411	409	349	271	200	155	3,466
Arkansas	67	118	162	183	228	319	358	353	322	258	172	133	95	2,701
Louisiana	68	364	375	496	572	768	772	745	780	670	547	371	329	6,789
Oklahoma	158	256	340	483	573	675	747	753	699	518	457	392	311	6,264
Texas	286	1,006	1,226	1,786	1,870	2,577	2,655	2,624	2,567	2,188	1,675	1,347	1,119	22,740
South Central	1,254	3,137	3,637	4,870	5,421	7,203	7,588	7,758	7,428	6,037	4,822	3,801	3,072	64,774
Montana	249	126	144	210	246	295	332	382	402	268	176	176	136	2,873
Idaho	130	86	106	159	194	217	255	297	290	200	136	132	104	2,176
Wyoming	46	28	35	47	54	61	75	83	87	48	42	41	33	634
Colorado	183	257	314	410	435	499	557	641	679	462	375	348	298	5,275
New Mexico	26	44	55	78	81	95	108	122	118	94	65	61	52	973
Arizona	27	107	104	142	144	166	150	142	145	139	103	87	70	1,499
Utah	113	121	147	207	227	246	275	313	312	251	176	177	128	2,580
Nevada	15	26	36	50	67	63	88	99	95	74	46	44	35	721
Mountain	787	795	941	1,303	1,448	1,642	1,840	2,079	2,128	1,516	1,119	1,066	856	16,733
Washington	464	356	421	569	659	794	883	876	884	675	447	443	383	7,390
Oregon	299	303	328	504	580	668	737	725	737	580	410	397	334	6,303
California	955	1,862	2,356	3,036	3,460	3,514	4,189	3,893	4,048	3,837	2,686	2,654	2,011	37,546
Pacific	1,718	2,521	3,105	4,109	4,699	4,976	5,809	5,494	5,669	5,092	3,543	3,494	2,728	51,239
UNITED STATES	15,690	29,317	31,791	41,310	45,647	56,855	66,758	69,173	67,027	46,943	38,828	33,713	29,292	556,654

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

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TABLE 22-PRODUCTION OF CERTAIN MANUFACTURED DAIRY PRODUCTS, UNITED STATES, BY MONTHS, 1935-1949

Creamery Butter (including whey butter)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
1935	106,056	100,512	110,166	129,482	179,879	199,696	184,161	159,285	141,786	119,748	96,462	105,147	1,632,380
1936	110,666	108,744	121,543	133,290	177,847	190,699	156,463	141,556	133,021	135,493	111,535	108,550	1,629,407
1937	107,957	102,963	121,074	131,396	181,700	198,191	171,687	147,069	128,266	118,878	103,242	113,548	1,623,971
1938	116,122	112,340	128,735	147,628	197,259	202,528	185,099	166,688	151,081	136,999	116,841	122,852	1,786,172
1939	130,671	124,650	142,550	147,525	197,089	202,549	182,151	167,038	133,755	123,243	112,251	118,265	1,781,737
1940	129,558	128,143	140,730	153,628	195,332	206,555	187,687	167,704	146,247	136,812	117,783	126,047	1,836,826
1941	135,143	129,804	147,507	162,490	214,206	210,250	194,611	168,787	146,430	133,695	112,566	116,694	1,872,183
1942	119,685	116,963	134,976	147,857	200,313	202,159	187,494	168,210	138,300	124,770	106,548	116,779	1,764,054
1943	122,661	120,089	140,218	149,254	186,204	200,896	180,952	151,021	125,366	106,985	93,042	97,100	1,673,788
1944	104,370	106,226	124,770	130,652	172,403	177,967	153,175	131,042	113,471	100,610	85,995	87,821	1,488,502
1945	98,297	91,325	109,001	122,215	160,170	171,354	155,754	133,262	99,876	87,771	68,868	65,824	1,363,717
1946	69,083	66,333	77,187	93,382	115,988	120,932	130,208	118,041	107,282	100,742	82,635	89,526	1,171,339
1947	98,237	94,568	111,724	117,203	148,318	156,345	148,007	116,553	100,238	91,717	69,622	76,562	1,329,094
1948	80,051	77,892	90,350	100,806	133,095	134,364	125,137	115,871	95,575	91,872	80,353	84,958	1,210,324*
1949	92,488	93,569	111,633	124,618	161,899	155,637	135,257	129,655	114,827	103,556	92,297	96,665	1,412,101

Total American Cheese (made from whole milk)

1935	22,197	21,919	26,914	32,825	48,926	60,560	55,238	53,101	49,053	42,114	28,811	27,341	468,999
1936	28,881	26,211	30,804	35,324	53,008	64,145	51,029	45,228	44,933	45,629	33,088	29,296	487,576
1937	28,515	27,765	32,262	39,061	56,268	64,454	55,706	48,824	42,701	38,875	30,209	27,401	492,041
1938	30,535	30,670	38,884	48,469	70,263	74,363	65,881	55,682	44,277	43,069	30,173	28,276	560,542
1939	29,575	28,900	36,311	43,649	62,189	70,739	61,884	54,895	46,046	40,687	31,662	30,761	537,298
1940	32,280	33,945	41,704	48,996	67,702	77,343	68,321	59,776	53,460	47,923	36,073	35,267	602,790
1941	38,329	37,830	47,086	56,155	81,960	85,022	78,050	75,972	70,824	66,996	56,347	58,551	753,122
1942	62,292	63,939	78,049	91,670	119,919	112,734	96,419	85,243	67,523	56,492	41,851	40,719	916,850
1943	44,716	45,890	57,333	66,599	90,795	100,132	87,333	75,678	64,670	51,783	39,415	40,745	765,089
1944	43,047	46,047	58,483	68,967	95,405	103,171	89,989	76,504	66,804	59,878	48,678	47,814	804,787
1945	51,017	51,779	65,975	82,336	108,465	112,163	100,557	87,909	71,162	58,940	43,894	40,887	875,084
1946	43,293	43,876	53,410	65,750	93,353	97,657	88,312	80,999	69,855	61,882	51,683	51,194	801,264
1947	55,217	59,790	76,399	90,610	115,463	123,026	111,021	84,648	69,685	61,929	43,315	41,615	932,718
1948	44,951	46,955	58,160	72,083	103,926	107,287	95,556	90,159	71,476	62,225	49,087	52,582	854,447*
1949	57,486	57,951	71,154	86,142	118,635	116,136	97,846	88,265	74,973	62,829	51,747	51,852	935,018

Swiss Cheese (including Block)

1935	1,453	1,347	1,920	2,930	5,163	6,317	5,659	5,002	4,586	3,742	2,555	1,948	42,622
1936	1,707	1,370	2,102	3,238	5,066	5,641	4,297	3,744	3,821	4,263	2,795	2,034	40,078
1937	1,918	1,870	2,572	3,534	5,539	6,078	5,131	4,179	3,509	3,186	2,178	1,810	41,504
1938	1,564	1,508	2,201	3,320	5,491	6,075	5,421	4,772	4,102	3,798	2,734	2,098	43,084
1939	1,916	1,766	2,471	3,362	5,375	5,827	4,998	4,677	3,924	3,432	2,677	2,206	42,631
1940	2,032	2,072	2,901	3,874	5,644	6,294	5,712	5,337	4,784	4,290	3,092	2,627	48,659
1941	2,560	2,547	3,656	4,899	7,107	7,152	6,306	5,620	5,035	4,644	3,468	2,968	55,962
1942	2,704	2,684	3,812	4,902	7,002	6,667	5,846	5,262	4,576	4,016	2,831	2,259	52,561
1943	2,087	2,054	2,931	3,856	5,669	6,180	5,411	4,725	4,326	3,548	2,629	2,210	45,626
1944	2,012	2,095	3,107	3,956	5,580	5,900	5,378	4,640	4,144	3,841	2,729	2,189	45,571
1945	2,189	2,170	3,134	4,375	6,211	6,496	6,005	5,265	4,649	4,179	2,947	2,445	50,065
1946	2,294	2,330	3,596	4,768	6,783	6,933	6,307	5,810	5,282	4,764	3,570	3,258	55,695
1947	3,249	3,561	5,885	6,732	8,965	9,382	8,200	6,437	5,959	5,389	4,002	3,851	71,612
1948	3,784	3,898	5,344	6,424	8,739	8,996	7,573	6,828	5,939	5,318	4,015	3,807	70,665
1949	3,967	4,065	5,941	7,121	9,825	9,517	8,676	8,017	7,092	6,192	5,401	5,209	81,043

* Revised.

Continued

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TABLE 22-(Continued) PRODUCTION OF CERTAIN MANUFACTURED DAIRY PRODUCTS, UNITED STATES, BY MONTHS, 1935-1949

Brick Cheese

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
1935	2,067	1,991	2,334	2,446	3,042	3,306	2,871	2,561	2,411	2,188	2,132	2,556	29,905
1936	2,429	2,263	2,615	2,721	3,311	3,559	2,751	2,179	2,112	2,277	2,085	2,134	30,436
1937	2,220	2,191	2,556	2,670	3,106	3,237	2,588	1,918	1,689	1,906	1,985	2,127	28,193
1938	1,863	1,676	1,871	2,149	3,030	2,894	2,498	2,157	1,889	2,086	1,921	2,033	26,067
1939	2,018	1,950	2,494	2,732	3,276	3,404	2,647	2,196	1,768	1,738	1,754	1,960	27,937
1940	2,003	1,951	2,243	2,381	2,973	3,265	2,414	1,835	1,621	1,644	1,654	1,982	25,966
1941	1,980	1,849	2,073	2,224	2,751	2,609	2,108	1,752	1,660	1,747	1,757	2,130	24,640
1942	1,822	1,758	1,933	1,963	2,268	1,669	1,411	1,294	1,301	1,408	1,337	1,424	19,588
1943	1,209	1,242	1,705	1,832	1,904	1,915	1,632	1,446	1,495	1,536	1,463	1,653	19,032
1944	1,884	1,801	1,864	1,805	1,921	1,584	1,104	924	803	898	828	828	16,244
1945	728	646	645	618	677	738	628	503	501	553	579	626	7,442
1946	582	516	573	552	686	735	650	632	702	812	894	1,109	8,443
1947	1,485	1,445	1,801	1,781	1,661	1,441	1,101	1,129	984	1,278	1,245	1,451	16,802
1948	1,628	1,689	1,461	1,383	1,715	1,781	1,370	1,201	1,163	1,421	1,600	1,786	18,198
1949	1,836	1,637	1,852	1,855	2,130	1,796	1,501	1,323	1,314	1,379	1,696	1,959	20,278

Munster Cheese

1935	713	647	717	713	739	707	518	490	517	609	622	625	7,617
1936	686	719	776	758	749	678	451	404	490	636	614	684	7,645
1937	736	656	795	693	722	613	515	400	420	595	647	658	7,450
1938	832	792	916	874	968	871	570	497	490	661	691	766	8,928
1939	699	719	752	716	656	588	440	385	384	492	580	621	7,032
1940	737	714	860	816	750	689	537	568	582	669	646	794	8,362
1941	679	651	865	813	657	540	475	421	447	599	668	611	7,426
1942	827	866	976	890	952	797	589	557	522	655	733	846	9,210
1943	917	914	1,127	837	511	507	494	494	564	701	816	1,064	8,946
1944	1,291	1,259	1,245	1,090	1,085	859	732	620	585	725	794	906	11,191
1945	931	747	634	447	444	497	461	302	452	663	807	929	7,314
1946	960	715	738	572	736	730	653	622	714	848	917	1,030	9,235
1947	873	832	1,213	1,008	866	757	686	573	531	660	798	934	9,731
1948	761	685	728	755	794	792	542	440	459	673	743	936	8,308
1949	802	792	1,103	1,027	885	823	656	655	662	839	916	938	10,098

All Italian Varieties of Cheese

1935	777	796	824	965	959	1,175	857	813	829	837	829	967	10,628
1936	883	791	1,024	1,127	1,202	1,161	933	854	937	943	734	767	11,361
1937	859	902	1,321	1,079	1,291	1,376	1,127	1,069	1,082	1,078	1,100	1,236	13,520
1938	1,106	1,087	1,302	1,660	1,514	1,440	1,353	1,331	1,279	1,447	1,402	1,540	16,461
1939	1,560	1,561	1,944	1,898	2,023	1,905	1,765	1,599	1,535	1,643	1,451	1,625	20,509
1940	1,655	1,802	2,140	1,980	2,009	2,002	1,942	1,816	1,757	2,112	2,389	3,098	25,002
1941	2,851	2,591	2,943	3,387	3,155	2,896	2,547	2,611	2,705	3,006	2,727	2,944	34,363
1942	2,955	2,996	3,973	3,775	3,109	2,719	2,496	2,450	2,354	2,420	2,530	3,139	34,916
1943	3,176	3,397	4,185	4,759	4,178	3,890	3,590	3,320	3,347	3,074	2,590	3,497	43,003
1944	3,692	4,034	4,755	4,569	3,981	3,086	2,809	2,749	2,701	2,973	3,044	3,369	41,762
1945	3,999	4,339	6,045	5,912	6,516	8,368	8,423	4,724	3,974	4,441	3,767	4,120	64,628
1946	5,061	4,907	6,740	8,073	8,967	9,570	7,917	6,438	5,195	4,567	4,066	3,887	75,388
1947	3,338	2,786	4,425	4,220	3,083	2,678	2,489	2,561	2,719	2,988	3,002	3,811	38,100
1948	3,414	3,465	4,975	3,941	4,191	3,622	3,028	2,840	2,823	3,347	3,640	4,393	43,579*
1949	3,994	4,318	5,698	6,137	5,190	4,235	3,886	4,004	4,192	3,867	4,214	5,392	55,127

* Revised.

Continued

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TABLE 22-(Continued) PRODUCTION OF CERTAIN MANUFACTURED DAIRY PRODUCTS, UNITED STATES, BY MONTHS, 1935-1949

Limburger Cheese

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
1935	425	401	543	744	1,089	1,216	1,022	935	909	859	719	673	9,535
1936	676	618	838	1,033	1,447	1,534	1,037	891	1,045	1,175	917	771	11,982
1937	614	531	557	490	899	1,120	832	643	638	697	589	555	8,165
1938	488	452	612	786	1,185	1,174	912	781	759	851	686	621	9,307
1939	555	506	661	837	1,152	1,034	827	768	731	722	609	569	8,971
1940	525	494	628	734	1,015	1,058	823	645	645	634	518	479	8,198
1941	478	424	571	742	922	894	696	680	665	754	645	617	8,088
1942	658	698	909	1,041	1,117	858	563	511	576	593	471	446	8,441
1943	372	377	526	529	664	792	674	556	626	661	458	418	6,653
1944	433	443	531	609	710	802	697	669	682	700	638	596	7,510
1945	613	554	697	762	928	938	847	762	755	753	623	545	8,777
1946	579	523	689	734	932	912	850	951	916	1,003	770	689	9,548
1947	559	583	891	841	936	899	570	390	386	617	512	569	7,753
1948	564	565	737	681	807	707	555	541	550	630	479	542	7,358
1949	580	626	745	612	596	490	450	497	629	613	690	652	7,180

Cream and Neufchatel Cheese

1935	3,586	3,028	3,669	3,315	3,198	3,539	2,682	2,764	2,984	3,271	3,466	3,469	38,971
1936 1/	3,499	3,497	3,917	3,441	3,376	3,451	3,082	2,902	3,069	3,259	3,502	3,453	40,448
1937 1/	3,768	4,065	4,558	3,766	4,044	3,824	3,429	3,195	3,124	3,492	3,534	3,188	43,987
1938 1/	3,891	3,908	4,395	3,626	3,562	3,995	3,038	3,337	3,359	3,496	3,946	3,503	44,056
1939 1/	3,894	4,418	4,849	3,647	3,995	3,765	3,615	3,857	3,504	3,932	4,198	4,287	47,961
1940 1/	4,339	4,347	4,666	4,056	4,515	3,672	3,797	3,635	4,031	4,405	5,038	4,682	51,183
1941 1/	4,922	4,812	5,260	3,965	4,410	3,982	3,370	3,219	3,613	4,139	4,063	4,257	50,012
1942 1/	4,190	4,103	4,461	3,781	4,184	3,748	3,476	4,079	3,402	4,050	3,930	4,150	47,554
1943	5,159	4,766	6,049	6,445	6,985	5,117	5,346	5,575	5,878	6,626	6,327	6,178	70,451
1944	6,467	5,069	5,440	5,459	4,659	4,688	4,134	4,269	5,123	5,276	4,926	4,930	60,440
1945	5,634	5,037	5,193	5,772	6,204	5,999	5,620	5,459	5,437	6,125	5,172	5,260	66,912
1946	6,095	6,238	7,139	7,492	7,554	7,300	6,902	5,729	5,976	7,307	6,022	5,049	78,803
1947	5,919	5,466	5,690	5,373	5,733	6,558	6,004	5,370	4,635	5,152	5,296	5,307	66,503
1948	5,511	4,715	5,344	4,990	5,333	4,835	3,309	3,968	4,169	4,965	4,759	4,878	56,816
1949	5,317	4,875	5,635	4,868	4,880	4,539	4,027	4,526	4,612	4,599	5,116	5,501	58,495

"Other Varieties" of Cheese (not including Cottage, Pot & Bakers' Cheese)

1935	403	386	466	457	457	414	408	468	553	619	630	629	5,890
1936	658	561	715	543	551	516	485	493	563	782	683	684	7,234
1937	720	767	730	670	795	743	633	637	777	957	845	897	9,171
1938	874	874	972	839	878	914	862	964	886	947	958	1,087	11,055
1939	1,062	957	1,089	954	1,082	1,048	775	941	899	1,064	1,032	1,038	11,941
1940	859	829	884	784	901	885	796	873	1,008	1,139	1,210	1,272	11,440
1941	1,361	1,400	1,596	1,547	1,594	1,482	1,501	1,336	1,476	1,608	1,628	1,880	18,409
1942	1,882	1,778	1,762	1,648	1,516	1,417	1,267	1,406	1,461	1,742	1,677	1,879	19,435
1943 2/	1,754	1,640	2,083	2,013	1,924	1,661	1,447	1,489	1,661	1,796	1,866	2,454	21,788
1944 2/	1,899	1,748	2,005	1,987	1,947	1,569	1,468	1,418	1,439	1,687	1,732	1,760	20,659
1945 2/	2,058	1,973	2,230	2,151	2,318	2,141	1,911	1,788	1,885	2,430	2,274	2,455	25,624
1946	3,090	3,381	5,824	8,563	6,440	5,938	4,822	3,393	3,076	3,127	2,772	2,398	52,824
1947	2,254	2,366	2,378	2,103	1,917	1,891	1,932	1,696	1,792	1,956	1,874	2,082	24,241
1948	2,294	2,383	2,507	2,428	2,536	2,192	1,510	1,545	1,914	1,899	2,193	2,318	25,719
1949	2,197	1,838	2,231	2,273	2,124	1,817	1,648	1,861	2,084	2,064	1,933	1,790	23,860

1/ Cream cheese only.
2/ Excludes Blue Mold cheese production which was not gathered separately prior to 1943.
Annual production Blue Mold excluded was: 1943 - 8,036,000 pounds; 1944 - 6,835,000 pounds; and 1945 - 9,828,000 pounds.

Continued

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TABLE 22.-(Continued) PRODUCTION OF CERTAIN MANUFACTURED DAIRY PRODUCTS, UNITED STATES, BY MONTHS, 1935-1949

Total Cheese (not including American Full-Skim, Cottage, Pot,& Bakers' Cheese)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb	1000 lb.	1000 lb.
1935	31,989	30,952	37,806	44,866	64,267	78,090	70,061	66,789	62,373	54,733	40,137	38,668	620,731
1936	39,942	36,427	43,197	48,756	69,392	81,353	64,620	57,116	57,321	59,285	44,724	40,141	642,274
1937	39,603	38,993	45,669	52,326	73,274	82,054	70,457	61,253	54,282	51,222	41,442	38,250	648,825
1938	41,600	41,389	51,635	62,407	87,675	92,348	81,091	69,910	57,342	56,701	42,873	40,354	725,325
1939	41,713	41,204	50,979	58,263	80,356	88,833	77,266	69,589	59,027	53,872	44,143	43,282	708,527
1940	44,697	46,386	56,538	63,931	86,106	95,786	84,714	74,781	68,187	63,072	50,835	50,457	785,490
1941	53,490	52,462	64,359	74,120	102,976	104,974	95,383	91,919	86,784	83,857	71,560	74,277	956,161
1942	77,613	79,062	96,160	110,051	140,598	131,178	112,527	101,135	81,946	71,534	55,492	55,018	1,112,314
1943	60,140	61,087	77,087	88,033	113,842	121,525	107,161	94,213	83,448	70,627	56,564	59,567	993,294
1944	61,966	63,431	78,191	89,400	116,431	122,408	107,070	92,370	82,699	76,494	63,894	62,893	1,017,247
1945	67,832	67,928	85,227	103,205	132,946	138,706	125,774	107,644	89,613	78,849	60,831	58,217	1,116,772
1946	62,882	63,418	80,071	98,095	127,243	131,345	117,793	105,957	92,845	85,379	71,682	69,637	1,106,347
1947	74,291	78,316	100,230	114,131	140,588	148,142	133,268	103,994	87,746	80,897	60,898	60,445	1,182,946
1948	63,742	65,186	80,259	94,018	129,753	131,872	114,677	108,520	89,417	81,527	67,335	72,060	1,098,366•
1949	77,032	76,939	95,121	110,987	145,366	140,247	119,292	109,624	96,130	82,966	72,281	74,026	1,200,011

Cottage, Pot,& Bakers' Cheese 3/

1935	8,050	8,161	10,264	9,833	9,[illegible]	9,122	9,866	9,384	8,373	8,847	8,688	8,458	109,579
1936	8,484	9,031	11,053	10,499	11,347	11,176	11,309	10,171	9,653	9,451	8,934	8,942	120,050
1937	9,328	10,990	12,450	11,670	12,580	12,280	11,928	11,122	10,528	10,086	9,773	9,620	132,355
1938	9,975	10,165	13,834	12,919	13,009	13,140	12,536	12,749	11,400	11,499	11,007	11,082	143,315
1939	11,876	12,772	16,051	14,167	15,206	14,781	14,371	13,954	13,741	13,696	13,206	12,899	166,720
1940	12,525	14,506	15,716	14,777	15,993	15,882	15,679	15,041	13,462	14,106	12,712	13,858	174,257
1941	14,051	14,678	17,899	17,203	17,883	17,302	16,973	15,851	14,599	14,377	13,109	13,670	187,595
1942	14,247	15,117	18,069	16,878	18,173	18,195	18,424	16,938	15,639	15,710	14,345	15,064	196,799
1943	15,417	16,084	21,199	21,674	22,170	22,305	20,412	18,638	16,637	14,204	12,347	12,823	213,910
1944	14,460	15,673	18,541	19,073	23,810	22,978	20,563	18,131	17,234	18,408	17,698	17,805	224,374
1945	19,752	21,134	26,367	27,303	32,078	30,906	28,437	25,026	19,698	19,462	17,324	17,287	284,774
1946 Curd	17,814	18,416	23,310	24,121	27,072	27,389	22,898	19,077	18,153	18,097	15,204	14,752	246,303
Creamed	16,409	16,162	19,994	20,548	20,711	20,222	18,888	16,367	16,286	16,656	13,828	13,822	209,893
1947 Curd	16,655	16,773	19,903	19,373	20,954	20,457	19,445	18,566	15,994	16,769	15,022	15,391	215,302
Creamed	17,228	18,452	21,098	20,408	21,412	20,617	20,528	19,814	18,471	18,610	16,714	17,245	230,597
1948 Curd	607	19,372	22,540	22,355	24,723	25,233	23,612	22,093	20,763	20,132	18,768	18,441	255,639•
Creamed	585	19,792	22,560	21,624	22,105	21,982	22,545	21,187	20,151	20,311	19,397	18,897	249,236•
1949 Curd	19,666	21,138	27,177	25,296	27,627	26,783	25,266	23,939	22,775	22,456	20,987	20,497	283,607
Creamed	20,479	20,987	27,756	25,708	26,381	26,611	25,073	24,334	22,522	22,882	22,154	21,879	286,766

Evaporated Whole Milk (case)

1935	113,393	121,134	146,500	177,264	236,512	252,831	202,274	160,522	134,809	105,710	86,337	101,604	1,838,890
1936	117,253	113,951	148,174	178,657	235,361	254,858	200,279	181,209	184,136	186,141	129,736	114,004	2,043,759
1937	119,152	126,509	153,290	184,829	239,136	252,535	205,752	162,506	138,376	124,126	92,322	104,012	1,902,545
1938	127,302	131,765	171,440	203,249	285,673	278,601	227,443	185,808	151,122	125,000	102,056	114,739	2,104,198
1939	131,320	139,717	179,848	203,867	263,215	268,840	226,600	190,902	158,271	144,568	123,694	139,759	2,170,601
1940	158,212	171,125	201,286	225,606	273,824	293,173	259,114	229,696	197,991	171,881	134,192	148,568	2,464,668
1941	172,262	169,493	208,296	254,215	354,803	350,063	310,791	307,855	290,634	281,683	259,768	286,684	3,246,547
1942	314,920	304,804	340,999	361,354	445,605	397,567	314,349	270,024	221,679	203,114	165,956	178,333	3,518,504
1943	202,144	208,915	251,464	285,306	371,455	381,363	331,738	275,688	233,200	189,732	155,009	171,260	3,057,274
1944	190,541	208,008	266,207	317 361	412,466	410,991	359,380	308,294	275,303	243,118	211,243	225,177	3,428,089
1945	251,924	253,259	327,332	388,031	477,734	476,915	431,843	358,559	269,744	210,353	165,628	165,061	3,776,383
1946	176,433	178,694	231,524	294,962	373,214	380,880	335,448	292,433	240,373	195,086	167,667	183,929	3,050,643
1947	203,556	210,879	269,412	323,953	416,348	415,841	354,491	264,611	224,850	206,249	157,110	160,727	3,208,027
1948	176,981	193,800	271,340	332,363	447,501	440,864	380,308	349,280	273,973	221,710	151,414	143,359	3,382,893
1949	156,513	160,861	215,893	266,766	358,577	350,154	306,9[illegible]	273,573	214,813	168,754	133,540	149,347	2,755,780

• Revised.

3/ Data comparable with 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.

Continued

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TABLE 22-(Continued) PRODUCTION OF CERTAIN MANUFACTURED DAIRY PRODUCTS, UNITED STATES, BY MONTHS, 1935-1949

Sweetened Condensed Whole Milk (Case)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
1935	4,546	4,797	4,820	6,201	4,519	4,694	3,923	4,394	3,824	3,711	3,630	3,926	52,985
1936	3,741	3,939	3,970	4,473	4,695	4,098	3,863	4,472	4,269	3,041	3,241	3,559	47,361
1937	4,208	3,593	3,491	3,612	4,702	4,354	3,977	3,888	3,875	4,200	3,341	4,205	47,446
1938	3,646	3,171	4,104	4,689	4,601	3,139	3,053	3,162	2,981	2,737	3,323	2,933	41,539
1939	3,218	2,998	3,074	3,037	2,736	2,607	2,777	2,374	4,227	3,251	2,284	2,149	34,732
1940	2,557	3,250	3,313	2,770	4,606	5,957	6,774	6,062	6,552	7,711	6,147	6,256	61,955
1941	7,015	7,084	10,300	10,535	11,628	10,675	11,575	10,784	9,915	10,167	8,412	6,682	114,772
1942	2,974	3,719	5,052	3,915	4,006	5,658	6,746	7,964	6,018	4,959	4,655	6,787	62,453
1943	7,995	8,405	9,416	10,987	11,636	12,340	10,270	9,990	9,376	9,862	8,382	8,588	117,247
1944	8,795	9,451	11,823	13,982	16,323	16,344	12,835	11,801	10,472	9,754	8,933	8,632	139,145
1945	9,542	8,541	11,242	13,939	15,775	15,384	14,224	13,625	11,806	11,086	9,308	8,834	143,306
1946	8,689	8,255	9,997	11,816	12,532	12,759	10,746	10,367	8,183	7,506	6,271	6,785	113,906
1947	9,047	7,857	9,581	11,593	12,917	12,961	16,427	19,440	21,685	18,988	12,846	11,391	164,733
1948	9,613	9,501	10,857	13,804	12,916	11,570	10,521	11,725	9,680	8,329	7,847	9,932	126,295
1949	9,269	10,888	12,999	11,670	10,481	9,749	8,132	7,959	5,721	4,580	4,513	4,941	100,902

Nonfat Dry Milk Solids (for human consumption)

1935	11,854	11,795	15,232	17,272	22,723	24,100	17,570	16,899	15,364	13,015	9,902	11,805	187,531
1936	13,319	13,410	16,601	19,542	25,165	27,266	19,124	17,019	18,448	19,822	16,129	17,982	223,827
1937	18,495	15,790	19,671	22,211	28,848	29,611	24,442	19,635	17,646	16,049	13,731	18,382	244,511
1938	20,327	18,724	23,455	27,580	34,555	32,482	27,621	23,212	22,762	22,548	17,154	18,701	289,121
1939	20,108	18,401	22,502	24,048	30,666	31,489	24,360	20,260	18,848	18,013	18,041	21,124	267,860
1940	24,495	23,370	27,442	29,036	35,358	38,578	31,094	26,631	22,157	22,564	19,030	22,088	321,843
1941	25,714	25,715	31,142	34,449	43,781	41,780	31,953	29,293	27,016	25,253	22,816	27,543	366,455
1942	33,900	36,198	47,429	54,868	71,617	68,846	58,696	52,999	43,646	36,664	28,622	31,929	565,414
1943	35,820	37,302	48,972	56,700	68,325	66,768	54,425	42,985	32,942	24,121	18,285	22,975	509,620
1944	26,006	28,877	48,771	59,598	77,948	80,204	67,379	51,969	41,249	35,685	29,551	35,675	582,912
1945	42,522	42,833	59,214	70,831	88,475	87,982	70,288	51,852	40,814	31,492	24,581	31,662	642,546
1946	38,762	41,191	57,533	72,816	93,952	90,038	74,003	56,005	38,319	28,829	25,023	36,994	653,465
1947	44,774	49,643	66,515	74,341	88,911	95,472	81,322	51,885	41,286	31,157	20,586	32,049	677,941
1948	38,053	40,118	55,683	69,196	95,089	94,890	69,502	52,977	39,892	38,779	37,173	50,180	681,532
1949	55,602	59,865	80,955	98,420	123,636	114,120	90,527	79,853	64,204	54,670	50,148	61,662	933,662

Dry Skim Milk (for animal feed)

1935	6,235	6,200	7,420	9,927	14,453	15,710	12,836	10,315	9,356	7,145	4,470	5,908	109,975
1936	7,445	7,450	9,504	11,447	14,872	16,002	12,530	9,895	10,008	9,867	7,883	8,820	125,723
1937	9,773	9,907	13,029	13,584	17,580	16,120	11,804	8,254	8,105	6,820	5,469	7,247	127,692
1938	10,573	12,361	15,716	17,437	21,010	20,293	15,470	10,781	10,749	8,919	7,493	9,368	160,170
1939	11,011	10,445	12,844	14,943	18,929	17,316	12,543	8,799	8,660	7,947	7,126	9,957	140,520
1940	10,931	11,148	14,987	17,776	20,585	19,664	13,705	11,935	10,685	10,556	8,462	9,528	159,962
1941	9,800	9,349	12,331	13,774	15,835	14,363	9,824	7,620	5,987	3,930	3,500	3,729	110,042
1942	4,462	4,683	6,199	6,939	8,158	7,567	6,359	5,396	3,625	3,072	2,387	2,301	61,148
1943	1,974	1,597	2,496	2,708	3,303	3,512	2,761	1,851	1,393	1,017	791	876	24,279
1944	759	841	1,105	1,506	2,442	2,737	1,877	1,510	1,135	966	649	880	16,407
1945	1,238	1,011	1,425	1,853	2,516	3,159	2,251	1,493	1,053	637	409	463	17,508
1946	576	582	1,015	1,691	2,255	2,424	1,649	1,249	784	418	400	661	13,704
1947	676	857	1,701	2,351	3,182	3,935	3,636	2,438	1,432	825	524	592	22,149
1948	687	710	962	1,158	2,040	1,982	1,408	1,193	860	822	581	742	13,145
1949	1,570	1,348	1,901	2,254	2,927	2,842	2,172	1,599	1,290	1,148	1,000	1,193	21,244

Continued

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TABLE 22 -(Continued) PRODUCTION OF CERTAIN MANUFACTURED DAIRY PRODUCTS, UNITED STATES, BY MONTHS, 1935-1949

Total Dry Skim Milk (for human food and animal feed)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
1935	16,089	17,995	22,652	27,199	37,176	39,810	30,406	27,214	24,720	20,160	14,372	17,713	297,506
1936	20,764	20,860	26,105	30,989	40,037	43,268	31,654	26,914	28,456	29,689	24,012	26,802	349,550
1937	28,268	25,697	32,700	35,795	46,428	45,731	36,246	27,889	25,751	22,869	19,200	25,629	372,203
1938	30,900	31,085	39,171	45,017	55,565	52,775	43,091	33,993	33,511	31,467	24,647	28,069	449,291
1939	31,119	28,846	35,346	38,991	49,595	48,805	36,903	29,059	27,508	25,960	25,167	31,081	408,380
1940	35,426	34,518	42,429	46,812	55,943	58,242	44,799	38,566	32,842	33,120	27,492	31,616	481,805
1941	35,514	35,064	43,473	48,223	59,616	56,143	41,777	36,913	33,003	29,183	26,316	31,272	476,497
1942	38,362	40,881	53,628	61,807	79,775	76,413	65,055	58,395	47,271	39,736	31,009	34,230	626,562
1943	37,794	38,899	51,468	59,408	71,628	70,280	57,186	44,836	34,335	25,138	19,076	23,851	533,899
1944	26,765	29,718	49,876	61,104	80,390	82,941	69,256	53,479	42,384	36,651	30,200	36,555	599,319
1945	43,760	43,844	60,639	72,684	90,991	91,141	72,539	53,345	41,867	32,129	24,990	32,125	660,054
1946	39,338	41,773	58,548	74,507	96,207	92,462	75,652	57,254	39,103	29,247	25,423	37,655	667,169
1947	45,450	50,500	68,216	76,692	92,093	99,407	84,958	54,323	42,718	31,982	21,110	32,641	700,090
1948	38,740	40,828	56,645	70,354	97,129	96,872	70,910	54,170	40,752	39,601	37,754	50,922	694,677
1949	57,172	61,213	82,856	100,674	126,563	116,962	92,699	81,452	65,494	55,818	51,148	62,855	954,906

Dry Casein (Skim Milk or Buttermilk Product)

1935	2,414	2,275	3,000	3,677	4,582	5,321	4,315	3,390	2,808	2,288	1,733	1,835	37,638
1936	2,186	2,621	3,583	4,516	5,721	5,975	4,717	3,699	3,550	3,356	2,773	3,043	46,140
1937	4,244	4,182	6,618	7,423	8,822	10,077	6,987	5,035	4,294	3,736	2,853	3,196	67,467
1938	3,143	2,720	3,385	4,384	6,234	5,986	4,437	4,247	4,775	3,670	2,876	2,692	48,549
1939	2,774	2,744	3,698	4,178	5,120	5,011	3,550	2,832	2,678	3,139	2,561	2,623	40,878
1940	2,712	2,921	3,865	4,818	5,486	6,336	4,825	3,631	3,354	2,962	2,601	3,105	46,616
1941	3,373	3,400	3,995	4,682	6,075	6,175	4,630	3,912	3,412	2,890	2,317	2,485	47,346
1942	3,040	3,451	4,468	4,975	6,840	6,320	4,014	3,037	2,267	1,693	1,098	1,065	42,268
1943	1,044	951	1,316	1,785	2,672	3,686	2,319	1,435	1,154	909	519	596	18,386
1944	900	980	1,231	1,647	2,423	2,986	1,731	988	763	661	428	526	15,264
1945	633	621	995	1,411	2,086	2,425	1,687	915	675	438	215	232	12,333
1946	303	388	632	1,162	2,410	3,395	2,507	1,447	1,154	1,122	1,402	2,397	18,319
1947	3,003	2,853	3,281	3,385	4,161	4,918	3,864	3,730	2,911	2,027	893	805	35,831
1948	898	861	1,221	1,839	2,443	2,311	1,363	930	775	697	474	560	14,372
1949	922	1,442	1,808	2,375	3,143	2,531	1,413	1,143	846	805	800	1,066	18,294

Dry Whole Milk

1935	1,268	1,248	1,572	1,549	1,869	2,314	1,633	1,920	2,057	1,693	1,391	918	19,432
1936	752	843	1,171	1,316	2,522	2,872	1,850	1,664	1,479	1,559	1,134	1,018	18,180
1937	824	538	915	939	991	1,452	1,144	849	1,789	1,824	1,151	1,260	13,676
1938	1,202	1,393	1,661	1,458	1,974	2,373	3,302	2,464	1,114	1,423	1,707	1,425	21,496
1939	1,167	1,243	1,975	1,902	2,411	2,570	2,133	1,908	2,412	2,328	2,086	2,337	24,472
1940	2,047	1,257	2,048	2,260	3,706	3,630	3,752	2,143	1,883	2,273	2,216	2,194	29,409
1941	3,126	3,175	3,933	3,726	4,070	4,294	3,749	4,196	3,170	4,583	3,265	4,340	45,627
1942	4,080	2,678	4,697	4,409	4,739	5,871	5,624	5,425	6,238	6,821	4,488	7,097	62,167
1943	9,777	9,339	11,888	12,601	14,866	17,006	13,189	9,912	10,375	9,356	8,181	11,276	137,766
1944	14,447	16,135	13,114	16,161	18,720	20,090	16,560	13,136	13,437	12,905	10,318	12 731	177,754
1945	13,963	13,784	19,430	22,336	27,090	26,894	21,229	21,229	12,808	12,158	11,512	12,013	217,276
1946	12,892	12,159	15,377	17,525	23,647	24,784	19,825	17,839	13,418	10,507	8,752	11,681	188,406
1947	13,901	12,298	11,296	11,773	16,715	17,450	17,823	15,656	14,421	14,361	9,617	9,577	164,688
1948	12,071	12,174	12,433	14,897	20,348	19,827	19,345	17,175	12,929	11,773	7,962	9,153	170,087
1949	10,900	8,731	10,859	11,592	14,402	11,672	12,328	10,076	10,087	8,242	7,112	9,540	125,541

Continued

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TABLE 22-(Continued) PRODUCTION OF CERTAIN MANUFACTURED DAIRY PRODUCTS, UNITED STATES, BY MONTHS, 1935-1949

Ice Cream (Wholesale)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.
1935 1/	-	-	-	-	-	-	-	-	-	-	-	-	-
1936 1/	-	-	-	-	-	-	-	-	-	-	-	-	-
1937 1/	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	11,395	12,447	17,733	21,963	27,688	33,463	36,968	37,634	22,001	17,098	13,457	11,650	263,497
1939	11,896	12,311	17,816	20,969	32,308	36,158	38,836	36,685	26,728	17,974	13,569	13,282	278,532
1940	10,995	13,764	17,522	22,607	31,441	36,103	42,065	36,838	25,760	20,226	15,346	14,432	287,099
1941	15,229	15,072	19,616	29,361	37,999	41,222	47,814	41,671	32,523	24,707	17,580	18,198	340,992
1942	16,709	17,600	24,622	32,633	38,975	48,799	56,542	50,602	41,394	32,921	27,149	21,223	409,169
1943	17,879	17,519	23,031	28,913	34,559	42,995	49,040	45,028	36,698	29,035	24,292	19,949	368,938
1944	17,860	18,669	24,140	29,826	39,753	52,236	54,362	46,396	37,347	29,445	24,612	19,477	394,123
1945	18,229	18,508	24,334	29,533	35,354	44,335	47,919	44,546	51,248	43,695	37,275	29,213	424,289
1946	36,310	36,984	48,340	57,312	62,853	73,242	83,707	71,107	56,004	50,849	39,962	34,871	651,541
1947	34,865	34,009	40,700	48,703	57,363	61,910	69,377	70,986	56,675	44,172	29,637	28,582	576,979
1948	27,940	26,330	40,094	46,047	50,768	60,647	66,389	60,324	50,879	33,554	31,616	28,580	525,168*
1949	26,885	29,172	37,909	41,556	51,602	60,568	62,659	60,826	42,696	35,356	30,743	26,631	506,803

Total Ice Cream (Retail & Wholesale)

1935	7,645	8,301	12,333	14,944	20,988	25,710	33,101	29,136	16,782	12,411	9,865	8,169	199,385
1936	8,362	8,452	14,633	17,308	23,833	32,313	39,550	34,050	23,425	14,537	11,084	11,004	243,551
1937	11,777	12,169	16,379	22,054	31,511	37,861	42,404	39,720	25,684	16,185	13,303	11,854	280,901
1938	12,183	13,299	18,932	23,465	29,553	35,743	39,618	40,318	23,568	18,337	14,415	12,508	281,939
1939	13,067	13,510	19,487	22,940	35,183	39,432	42,372	40,089	29,229	19,719	14,912	14,582	304,522
1940	12,231	15,276	19,467	25,029	34,717	39,915	46,466	40,798	28,633	22,456	17,021	16,079	318,088
1941	17,416	17,336	22,568	33,491	43,450	47,327	54,681	47,809	37,140	28,088	20,126	20,741	390,175
1942	19,004	19,970	27,994	37,107	44,350	55,404	64,336	57,639	46,769	37,128	30,442	24,003	464,146
1943	19,943	19,567	25,606	32,219	38,687	48,139	54,928	50,477	40,853	32,210	26,877	22,120	411,626
1944	20,167	21,055	27,234	33,656	44,837	58,789	61,357	52,463	41,916	33,169	27,612	21,943	444,198
1945	20,460	20,900	27,450	33,417	39,961	50,353	54,538	50,445	56,881	48,331	41,166	32,455	476,357
1946	39,603	40,281	52,788	62,595	68,980	80,446	91,958	78,190	61,607	55,464	43,599	38,083	713,594
1947	37,806	36,846	44,288	53,011	62,733	68,025	76,415	77,982	61,792	48,137	32,470	31,261	630,766
1948	30,394	30,847	43,510	50,320	55,677	66,721	73,287	66,718	55,877	36,953	34,622	31,335	576,261*
1949	29,317	31,791	41,310	45,647	56,355	66,758	69,173	67,027	46,943	38,828	33,713	29,292	556,654

Sherbet (Excluding water ices)

1935	108	125	176	241	385	505	662	608	301	198	150	127	3,586
1936	147	155	251	352	618	742	979	819	490	300	222	197	5,272
1937	183	211	306	490	801	964	965	840	516	297	228	191	5,992
1938	213	223	361	503	656	828	905	932	517	375	288	245	6,046
1939	540	519	761	1,034	1,421	1,712	1,884	1,815	1,600	1,057	803	647	13,793
1940	249	305	441	640	945	1,147	1,305	1,115	704	539	367	332	8,089
1941	310	316	445	660	988	1,072	1,251	1,078	734	520	362	324	8,060
1942	310	333	475	675	831	1,078	1,371	1,165	864	629	466	575	8,772
1943	1,956	2,667	3,330	4,097	4,674	6,359	6,544	6,134	4,274	2,851	2,239	2,093	47,218
1944	2,373	3,262	4,107	4,337	5,644	5,628	5,444	6,218	4,322	3,211	2,727	2,208	49,481
1945	2,628	3,423	6,828	7,929	7,956	9,336	10,946	11,012	2,548	1,233	836	501	65,177
1946	581	619	867	1,117	1,245	1,656	1,819	1,471	987	770	501	386	12,019
1947	395	427	595	811	1,088	1,214	1,458	1,523	1,230	808	476	422	10,447
1948	415	435	701	943	1,159	1,564	1,810	1,711	1,440	802	683	548	12,211
1949	477	548	811	1,056	1,487	1,837	2,059	1,873	1,235	894	729	567	13,573

* Revised.

1/ Data on production of ice cream prior to 1938 not broken down between wholesale and retail.

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TABLE 23--PRODUCTION OF CREAMERY BUTTER (including whey butter) IN THE UNITED STATES, 1935-1949

State and division	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Me	21	65	42	119	80	102	85	185	115	405	377	745	68	53	90
Vermont	2,817	2,649	3,244	2,996	2,355	2,674	2,058	2,186	2,826	4,211	3,773	2,140	2,092	798	1,581
Massachusetts	1,050	809	734	592	282	220	195	234	161	214	170	462	263	248	242
New England 1/	4,106	3,704	4,216	3,877	2,863	3,043	2,400	2,648	3,113	4,840	4,329	3,357	2,425	1,100	1,915
New York	14,034	14,592	16,891	15,596	17,052	22,217	19,513	29,198	25,303	25,511	20,915	14,368	17,686	14,868	29,448
Pennsylvania	12,282	10,967	11,136	12,491	14,441	15,582	14,559	13,946	12,444	11,718	12,664	8,716	10,923	9,452*	13,098
Middle Atlantic 1/	26,349	25,584	28,048	28,128	31,513	37,832	34,090	43,413	37,864	37,322	33,657	23,160	28,692	24,386	42,624
Ohio	82,640	79,256	77,409	85,074	84,329	80,384	77,444	72,265	66,737	63,291	60,019	49,107	55,767	52,535	68,865
Indiana	73,935	67,112	64,689	71,139	68,972	70,650	66,547	60,300	56,304	49,555	45,550	34,497	35,783	33,487	48,011
Illinois	71,360	67,640	67,854	77,650	78,043	80,642	84,513	74,944	72,162	70,118	65,184	61,373	59,296	55,390	66,708
Michigan	77,439	82,162	80,887	86,757	90,088	95,766	90,305	77,402	73,691	64,175	55,457	46,579	47,930	43,079	61,002
Wisconsin	159,908	171,400	175,659	188,933	173,227	183,103	163,887	161,472	140,612	124,966	109,901	83,063	115,710	99,992	168,214
East North Central	465,282	467,570	466,498	509,553	494,659	510,545	482,696	446,383	409,506	372,105	336,111	274,619	314,486	284,483	412,800
Minnesota	272,585	289,830	276,491	301,604	297,325	311,153	326,478	314,537	294,359	251,614	233,436	175,891	243,874	222,657	252,621
Iowa	217,810	208,926	200,362	229,604	233,541	245,312	255,870	241,518	240,445	212,482	214,142	207,997	209,145	187,885	193,153
Missouri	87,438	74,214	79,232	93,265	84,480	82,024	86,754	75,359	73,002	70,297	71,412	61,413	63,804	61,974*	71,248
North Dakota	39,726	43,575	43,009	44,685	50,708	58,416	64,638	66,675	62,597	56,093	51,007	49,800	49,525	44,999	43,372
South Dakota	36,122	38,741	33,896	36,105	41,022	43,759	46,665	45,525	43,357	36,622	34,306	36,655	35,136	31,369*	31,453
Nebraska	76,400	72,842	63,594	68,216	81,236	83,327	91,262	90,665	95,718	81,157	75,291	80,783	79,003	78,240	73,607
Kansas	69,548	62,802	68,039	78,141	80,108	75,806	81,510	76,689	72,977	60,505	52,385	48,892	51,001	46,823	47,490
West North Central	799,629	790,930	764,623	851,620	868,420	899,797	953,177	910,968	882,455	769,070	731,979	661,431	731,488	673,947	712,974
Maryland	1,239	1,677	1,996	2,290	2,320	2,163	2,301	2,351	2,222	2,775	2,778	2,646	2,941	2,972	3,548
Virginia	6,353	6,318	6,508	7,478	7,035	7,291	7,091	7,159	7,415	7,271	7,594	7,165	7,527	7,303	7,901
West Virginia	356	425	2,454	2,984	2,733	2,753	2,518	2,084	2,577	2,240	2,154	1,691	1,900	1,614	1,536
North Carolina	2,433	2,420	2,432	2,764	2,232	2,487	2,316	1,946	1,678	1,725	1,714	1,561	1,732	1,630	2,719
South Carolina	724	665	583	622	523	469	628	472	414	352	295	235	246	217	226
Georgia	1,805	1,914	2,045	2,135	1,849	1,171	1,477	1,395	1,313	1,144	943	632	809	553	577
South Atlantic 1/	13,179	13,617	16,200	18,537	16,898	16,480	16,461	15,488	15,628	15,513	15,478	13,930	15,155	14,290	16,507
Kentucky	21,950	20,923	20,620	23,814	21,279	20,040	22,634	22,271	22,494	21,344	22,673	19,563	23,099	23,310	24,844
Tennessee	15,920	15,555	16,550	20,270	17,161	15,711	16,755	15,992	16,023	15,054	14,956	11,599	13,293	13,518	13,839
Mississippi	6,631	6,120	6,190	7,468	5,753	4,787	5,346	4,189	3,791	4,491	4,021	2,766	3,014	2,523	4,025
Arkansas	5,503	5,527	6,799	7,588	6,311	6,570	8,042	7,077	6,785	6,733	6,417	5,386	6,194	6,493	6,868
Louisiana	1,519	1,506	1,414	1,618	1,730	1,490	1,336	918	621	594	432	315	386	419	702
Oklahoma	38,674	36,436	44,977	51,407	51,412	51,151	58,469	53,061	52,389	46,852	44,952	37,574	35,675	31,332	30,241
Texas	25,766	31,317	33,384	36,829	38,152	36,405	41,163	37,335	36,739	30,938	25,396	16,881	17,045	12,731	13,618
South Central 1/	117,449	118,861	131,458	150,683	143,250	137,197	154,976	141,730	139,534	126,413	119,006	94,219	98,877	90,474	94,187
Montana	12,577	11,586	10,608	11,567	12,301	13,268	13,706	12,600	12,741	11,858	9,883	9,446	9,350	8,637	7,948
Idaho	28,452	29,491	30,538	32,974	33,988	35,911	37,373	37,561	36,502	35,869	30,682	16,600	25,928	24,923	23,908
Wyoming	2,144	2,312	2,794	2,870	3,073	3,532	3,483	3,133	3,131	2,922	2,466	2,770	2,787	2,078	2,002
Colorado	18,261	21,491	21,125	22,287	22,696	22,148	23,847	23,082	24,297	19,545	16,542	15,351	16,148	14,077	13,662
New Mexico	1,152	1,734	2,778	2,858	3,555	3,087	3,315	3,018	2,667	1,774	1,487	1,210	1,350	1,164	1,107
Arizona	1,941	2,277	1,987	2,548	2,569	2,155	2,064	1,591	992	1,038	932	336	750	635	702
Utah	8,788	9,999	10,096	10,835	10,545	10,426	9,968	8,787	8,631	7,430	5,982	4,359	4,929	5,485	5,515
Nevada	1,477	1,669	2,272	2,439	2,350	2,345	2,335	1,916	1,526	1,230	981	852	831	940	919
Mountain	74,792	80,559	82,198	88,378	91,077	92,872	96,091	91,688	90,487	81,666	68,955	50,924	62,073	57,939	55,763
Washington	37,299	35,680	36,115	37,109	36,586	37,025	37,423	32,488	31,131	27,977	19,969	16,615	21,666	19,630	20,708
Oregon	29,918	29,285	29,617	31,205	31,217	32,130	32,233	29,836	26,547	24,130	18,533	16,465	20,299	17,811	17,889
California	64,377	63,617	64,998	67,082	65,254	69,865	62,636	49,412	37,523	29,466	15,700	16,619	33,933	26,264	36,734
Pacific	131,594	128,582	130,730	135,396	133,057	139,020	132,292	111,736	95,201	81,573	54,202	49,699	75,898	63,705	75,331
UNITED STATES	1,632,380	1,629,407	1,623,971	1,786,172	1,781,737	1,836,826	1,872,183	1,764,054	1,673,788	1,488,502	1,363,717	1,171,339	1,329,094	1,210,324*	1,412,101

* Revised.

1/ Some regional totals include production for States not shown separately. Production omitted for States in which less than 3 plants reported.

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TABLE 24--PRODUCTION OF SWISS CHEESE, BY STATES, 1935-1949

State	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Idaho	1,726	2,128	2,486	2,268	1,863	2,334	2,478	2,599	2,498	2,800	2,908	2,922	3,584	3,527	2,691
Illinois	4,140	3,303	4,648	4,258	5,250	6,161	6,897	6,521	5,978	6,016	6,155	6,594	8,487	10,372	14,726
Ohio	4,392	4,249	4,402	4,782	4,366	5,377	6,496	6,682	4,752	5,173	5,418	5,251	6,609	6,663	7,754
Pennsylvania	573	645	705	745	582	682	672	629	507	482	386	450	615	606	508
Wisconsin	29,646	27,993	27,676	29,377	28,861	32,304	37,570	34,193	29,643	28,960	32,958	36,227	46,720	43,192	48,271
All other States	2,145	1,760	1,587	1,654	1,689	1,801	1,849	1,937	2,248	2,140	2,240	4,251	5,597	6,305	7,093
UNITED STATES	42,622	40,078	41,504	43,084	42,631	48,659	55,962	52,561	45,626	45,571	50,065	55,695	71,612	70,665	81,043

TABLE 25 -PRODUCTION OF ALL ITALIAN VARIETIES OF CHEESE, BY STATES, 1935-1949

State and division	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Massachusetts	-	-	18	63	515	446	532	573	626	785	932	766	814	977	794
New England 1/	46	10	138	189	655	613	673	944	766	909	1,759	1,523	2,010	1,230	1,284
New York	4,468	3,143	4,354	4,901	5,164	5,558	6,397	9,245	10,228	10,737	10,875	14,473	13,310	15,428	16,553
New Jersey	41	45	45	41	266	485	236	345	293	3	561	1,126	648	768	1,296
Pennsylvania	11	-	164	213	422	268	644	737	964	968	990	1,412	1,480	1,429	1,734
Middle Atlantic	4,520	3,188	4,563	5,155	5,852	6,311	7,477	10,327	11,485	11,708	12,426	17,011	15,438	17,625	19,583
Ohio	99	28	71	605	1,133	1,277	2,302	1,415	1,829	1,258	1,717	2,696	741	658	651
Illinois	173	109	207	225	340	435	617	885	1,003	614	1,374	1,756	1,025	1,780	2,553
Michigan	949	1,594	1,826	1,995	2,303	2,475	3,105	3,001	2,962	3,649	3,546	5,820	1,543	1,060	1,368
Wisconsin	4,472	5,906	5,811	7,238	9,261	12,456	17,822	17,139	22,220	18,878	39,515	41,723	15,396	19,492	27,771
East North Central	5,693	7,637	7,915	10,063	13,037	16,637	23,846	22,440	28,014	24,399	46,152	51,995	18,705	22,990	32,343
West North Central 1/	6	8	-	40	59	162	324	386	459	515	1,103	1,829	542	379	140
South Central 1/	-	-	-	-	114	115	185	102	824	276	486	-	-	-	-
Colorado	-	-	-	-	-	8	193	295	203	293	419	755	724	512	502
Mountain 1/	-	-	-	-	-	24	193	295	203	293	419	755	724	714	658
California	337	491	876	984	753	1,103	1,602	368	1,017	2,656	1,716	2,146	626	613	1,101
Pacific 1/	363	518	904	1,014	792	1,140	1,665	422	1,252	3,662	2,283	2,275	681	641	1,119
All other States	78	45	148	196	352	497	713	913	1,658	1,921	2,983	2,715	1,793	862	804
UNITED STATES	10,628	11,361	13,520	16,461	20,509	25,002	34,363	34,916	43,003	41,762	64,628	75,388	38,100	43,579*	55,127

* Revised.
1/ Some regional totals include production for States not shown separately. Production omitted for States in which less than 3 plants reported.

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TABLE 26-TOTAL AMERICAN CHEESE (made from whole milk) PRODUCED ANNUALLY, BY STATES, 1935-1949

State and division	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	801	1,106	1,222	794	695	1,226	817	586	140	401	906	114	1,013	1,409	1,471
New England 1/	802	1,108	1,264	827	695	1,226	819	586	140	401	906	114	1,013	1,427	1,491
New York	20,597	22,079	29,542	26,141	21,970	25,035	29,748	46,607	19,905	19,187	23,633	11,780	30,191	30,630	39,354
Pennsylvania	1,414	1,312	1,320	1,665	1,554	1,420	1,609	1,846	1,057	1,072	1,711	1,252	1,272	808	1,278
Middle Atlantic 1/	22,011	23,391	30,862	27,806	23,524	26,455	31,357	48,568	20,962	20,259	25,344	13,043	31,463	31,438	40,657
Ohio	6,276	8,513	9,675	10,790	11,440	12,366	16,219	25,151	16,579	19,907	23,416	19,983	23,260	20,159	26,380
Indiana	21,441	24,305	26,107	27,198	24,186	29,399	33,323	46,134	38,067	36,257	39,816	38,496	39,708	37,391	38,910
Illinois	16,923	19,091	26,656	31,241	29,207	34,477	51,340	69,802	53,647	59,226	68,753	63,280	67,791	56,492	57,136
Michigan	10,550	12,509	12,639	13,990	13,328	15,607	19,394	24,417	20,793	22,885	25,800	23,509	25,894	23,047	25,370
Wisconsin	270,851	270,193	243,003	281,977	284,035	314,867	371,611	417,414	383,350	370,194	388,617	370,734	416,043	386,020	430,103
East North Central	326,041	334,611	318,080	365,196	362,196	406,716	491,887	582,918	512,436	508,469	546,401	516,002	572,696	523,109	577,899
Minnesota	10,624	11,595	13,298	15,232	13,118	15,604	20,713	33,420	27,546	35,257	44,056	41,152	56,586	51,635	54,309
Iowa	2,958	4,339	4,011	3,745	3,124	3,981	6,572	10,840	8,055	10,552	13,134	10,750	10,013	8,707	10,287
Missouri	8,185	7,596	9,637	12,229	13,158	19,306	33,092	40,488	36,284	44,812	49,906	47,940	57,092	56,330	64,114
North Dakota	-	-	-	-	-	-	61	570	275	349	80	155	163	-	-
South Dakota	1,098	1,040	859	993	1,038	982	1,199	1,731	1,472	1,559	1,649	1,648	1,421	1,141	1,464
Nebraska	2,358	1,411	1,571	2,032	1,563	1,414	2,167	3,612	1,865	2,208	1,691	1,256	1,302	853	1,383
Kansas	7,407	6,331	6,594	8,531	9,529	10,852	13,804	19,434	11,323	13,619	12,729	10,877	16,354	8,525	9,121
West North Central	31,620	32,312	35,970	42,762	41,530	52,139	77,608	110,095	86,820	108,356	123,245	113,778	142,931	127,191	140,678
South Atlantic 1/	764	922	1,320	1,576	1,040	878	1,502	1,461	267	684	1,532	1,481	1,809	2,126	2,198
Kentucky	5,314	5,396	5,989	6,901	5,646	5,989	9,262	14,232	12,895	15,148	19,250	18,900	22,480	23,033	26,354
Tennessee	6,725	7,439	8,508	13,065	12,459	13,247	17,264	22,183	21,250	24,033	29,175	30,339	35,979	37,004	41,333
Alabama	1,723	1,609	1,972	1,909	1,244	1,578	3,278	4,254	4,008	4,522	5,379	3,567	4,094	3,006	2,997
Mississippi	6,997	7,822	9,292	11,006	8,165	6,984	9,514	10,471	8,701	10,969	12,338	10,943	11,345	11,094	11,625
Arkansas	1,687	2,243	3,279	2,904	2,281	3,796	7,213	8,200	5,668	7,571	7,812	6,073	7,618	11,201*	11,331
Oklahoma	6,076	6,041	7,266	7,713	5,786	7,564	11,036	13,121	8,911	14,349	15,776	13,552	15,861	12,467	10,741
Texas	8,465	13,139	15,554	19,400	15,078	16,096	20,139	19,954	14,518	15,225	13,669	7,693	10,904	6,920	5,758
South Central 1/	37,207	44,008	52,276	63,444	50,993	55,462	77,990	92,563	75,951	91,827	103,399	91,067	108,297	104,755	110,335
Montana	1,862	1,648	1,087	1,435	1,184	1,227	1,454	1,905	2,147	4,078	4,266	3,464	3,808	2,818	2,890
Idaho	6,822	7,666	8,240	9,512	9,215	10,641	13,540	16,304	16,957	19,344	21,024	20,114	20,447	19,148	17,991
Colorado	1,513	1,946	1,411	2,099	1,362	1,452	1,514	1,538	525	1,764	1,395	806	1,331	444	1,084
Utah	4,277	4,925	3,626	4,193	4,419	4,496	5,085	6,106	5,398	6,963	8,290	7,042	8,057	7,024	5,438
Mountain 1/	15,194	17,019	15,154	19,275	17,976	19,395	23,126	27,802	26,355	33,865	36,434	32,988	34,785	30,046	29,319
Washington	9,262	8,289	8,865	9,096	9,550	9,730	12,274	12,793	8,484	9,388	7,562	6,644	7,093	4,268	4,047
Oregon	16,129	16,332	19,076	19,599	19,907	21,092	26,159	28,564	24,033	25,901	26,582	23,379	28,596	25,970	24,264
California	9,967	9,584	9,174	10,961	9,887	9,697	10,400	11,900	9,641	5,637	3,679	2,768	4,035	4,117	4,130
Pacific	35,358	34,205	37,115	39,656	39,344	40,519	48,833	52,857	42,158	40,926	37,823	32,791	39,724	34,355	32,441
UNITED STATES	468,999	487,576	492,041	560,542	537,298	602,790	753,122	916,850	765,089	804,787	875,084	801,264	932,718	854,447*	935,018

* Revised.

1/ Some regional totals include production for States not shown separately. Production omitted for States in which less than 3 plants reported.

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TABLE 27- PRODUCTION OF TOTAL CHEESE (excluding full-skim American and cottage) IN THE UNITED STATES, 1935-1949

State and division	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	1,006	1,475	1,761	1,228	1,424	1,945	1,284	1,082	2,059	3,263	3,739	3,791	3,094	3,398	2,705
Massachusetts	323	710	692	689	1,324	1,375	1,314	1,329	1,763	2,134	2,373	3,739	2,545	2,378	2,257
Rhode Island	15	21	21	20	20	21	13	19	18	12	8	-	-	-	-
Connecticut	50	10	120	126	140	167	141	125	79	90	204	77	125	174	280
New England 1/	1,395	2,218	2,636	2,096	2,908	3,508	2,752	2,555	3,919	5,499	6,324	7,607	5,878	6,072	5,464
New York	50,025	50,183	57,994	58,473	55,349	59,815	64,613	83,847	64,328	56,583	62,072	53,916	71,043	73,405	84,535
New Jersey	41	45	45	1,396	1,361	1,880	1,076	1,090	829	460	1,049	2,062	1,144	1,136	1,689
Pennsylvania	4,119	3,972	5,269	7,805	9,986	11,072	11,647	11,487	12,311	11,373	12,832	14,271	10,990	10,919	11,341
Middle Atlantic	54,185	54,200	63,308	67,674	66,696	72,767	77,336	96,424	77,468	68,416	75,953	70,249	83,177	85,460	97,565
Ohio	14,610	16,383	17,510	18,764	19,484	21,425	28,248	36,762	27,728	30,060	34,206	37,364	38,912	36,998	44,387
Indiana	22,116	24,375	26,118	27,224	24,270	29,486	33,367	46,784	38,068	36,368	39,847	38,559	40,239	37,882	39,172
Illinois	24,338	26,443	37,812	41,927	40,749	47,801	66,217	84,848	70,012	74,784	87,075	85,300	86,864	77,704	81,711
Michigan	11,892	14,276	14,582	16,081	15,715	18,195	22,584	27,504	23,853	26,586	29,501	29,512	28,134	24,264	26,877
Wisconsin	354,929	357,467	324,316	365,215	370,430	406,903	476,987	515,207	496,060	474,218	515,184	525,386	535,873	502,104	563,980
East North Central	427,885	438,944	420,358	469,211	470,648	523,810	627,403	711,105	655,721	642,016	705,813	716,061	730,022	678,952	756,127
Minnesota	11,254	12,643	14,232	15,766	13,888	16,272	22,926	36,083	29,910	37,193	46,316	47,852 *	58,949	54,061	56,457
Iowa	2,992	4,384	4,085	3,822	3,166	4,024	6,772	10,993	8,248	10,679	13,383	11,064	10,555	9,234	10,828
Missouri	8,765	7,639	10,142	12,397	13,336	19,677	33,579	40,555	36,806	44,955	50,409	48,425	59,555	56,378	64,203
North Dakota	-	-	-	-	-	-	62	571	275	349	80	155	163	-	-
South Dakota	1,088	1,040	859	993	1,038	982	1,199	1,731	1,472	1,559	1,649	1,648	1,523	1,141	1,464
Nebraska	1,441	1,414	1,574	2,032	1,567	1,417	2,173	3,615	1,865	2,210	1,693	1,413	1,304	856	1,385
Kansas	7,530	6,468	6,891	9,369	10,053	10,979	13,812	19,434	11,323	13,619	12,729	11,477	16,498	8,880	9,127
West North Central	33,070	33,588	37,783	44,379	43,048	53,351	80,523	112,982	89,899	110,564	126,259	122,034	148,547	130,550	143,464
Delaware	57	77	103	102	54	43	90	-	-	-	-	-	-	-	-
Maryland	1	-	-	28	17	8	-	-	-	-	-	-	-	-	-
South Carolina	105	183	194	236	185	221	585	428	1	-	-	-	-	-	-
South Atlantic 1/	821	1,010	1,423	1,706	1,109	921	1,592	1,462	269	684	1,536	1,493	1,828	2,140	2,199
Kentucky	5,314	5,396	5,989	6,901	5,646	5,989	9,328	14,320	12,895	15,148	19,424	18,900	22,879	23,033	26,354
Tennessee	7,759	8,113	9,832	14,430	13,894	14,473	18,539	23,498	22,965	26,019	31,733	34,112	42,403	40,091	44,545
Alabama	1,723	1,609	1,972	1,909	1,284	1,578	3,278	4,254	4,008	4,522	5,379	3,569	4,094	3,006	2,997
Mississippi	7,228	8,090	9,305	11,014	8,166	6,987	9,516	10,473	8,710	10,972	12,338	11,033	11,350	11,142	11,627
Arkansas	1,687	2,243	3,279	3,002	2,449	3,955	7,332	8,214	6,492	7,847	8,174	6,073	7,618	11,201*	11,331
Oklahoma	6,549	6,124	7,266	7,713	6,145	7,574	11,054	13,379	8,911	14,349	15,776	13,582	15,861	12,566	11,597
Texas	10,541	15,484	18,683	22,910	17,655	18,641	22,451	21,735	18,394	18,133	16,362	11,859	13,338	9,217	5,778
South Central 1/	41,442	47,764	57,071	68,425	55,573	59,405	81,782	96,021	82,375	97,000	109,186	99,128	117,756	110,588	114,726
Montana	1,862	1,648	1,087	1,435	1,184	1,282	1,454	1,905	2,147	4,078	4,266	3,464	3,808	2,818	2,890
Idaho	8,841	10,269	11,027	12,115	11,423	13,256	16,018	19,187	19,767	23,842	25,380	23,299	24,058	22,686	20,682
Wyoming	2,211	2,138	1,664	1,664	1,744	1,658	1,672	1,849	2,023	1,825	1,962	1,853	1,747	1,557	2,286
Colorado	2,915	3,763	3,138	3,833	2,525	2,282	2,451	2,514	1,522	2,558	2,119	1,674	2,195	1,259	2,088
Arizona	491	644	669	515	526	512	587	548	632	615	513	1,056	543	701	635
Utah	4,277	4,925	3,626	4,193	4,428	4,507	5,209	6,613	6,471	8,098	9,352	10,085	12,026	11,687*	11,342
Mountain 1/	20,624	23,419	21,526	24,941	22,644	24,197	28,018	33,529	32,681	41,712	44,071	41,770	44,889	40,890	40,282
Washington	9,616	8,613	9,158	9,448	9,842	10,158	12,812	12,706	9,218	9,827	8,055	7,504	8,774	6,824	5,920
Oregon	16,620	16,690	19,385	20,325	20,321	21,488	26,567	28,740	25,259	28,497	29,745	26,089	29,253	26,570	24,691
California	15,073	15,828	16,177	17,120	15,738	15,885	17,376	16,790	16,485	13,032	9,830	14,412	12,822	10,320	9,573
Pacific	41,309	41,131	44,720	46,893	45,901	47,531	56,755	58,236	50,962	51,356	47,630	48,005	50,849	43,714	40,184
UNITED STATES	620,731	642,274	648,825	725,325	708,527	785,490	956,161	1,112,314	993,294	1,017,247	1,116,772	1,106,347	1,182,946	1,098,366*	1,200,011

* Revised.

1/ Some regional totals include production for States not shown separately. Production omitted for States in which less than 3 plants reported.

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TABLE 28 -PRODUCTION OF COTTAGE, POT, AND BAKERS' CHEESE, BY STATES, 1940-1949

State and division	1940	1941	1942	1943	1944	1945	1946 2/		1947 2/		1948 2/		1949 2/	
							Curd	Creamed	Curd	Creamed	Curd	Creamed	Curd	Creamed
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	9,459	12,886	12,982	11,626	8,014	12,019	4,752	4,788	3,236	5,060	8,267	5,628	10,046	8,660
Massachusetts	1,317	1,461	1,353	1,564	1,094	852	104	127	141	60	142	308	187	376
Connecticut	742	806	362	1,244	402	637	486	356	563	439	195	408	753	790
New England 1/	11,572	15,219	14,777	14,469	9,546	13,645	5,364	5,297	3,965	5,687	8,734	6,661	12,799	11,781
New York	30,856	29,342	29,354	34,524	40,796	49,452	45,260	11,337	25,910	17,512	45,776	22,103	42,782	27,628
New Jersey	1,413	1,703	2,751	843	580	1,344	697	1,140	428	1,127	158	1,052	329	1,891
Pennsylvania	13,704	13,598	12,597	13,398	14,110	15,577	12,003	5,628	11,661	5,590	13,048	5,765	16,557	8,477
Middle Atlantic	45,973	44,643	44,702	48,765	55,486	66,373	57,960	18,105	37,999	24,229	58,982	28,920	59,668	37,996
Ohio	15,064	17,519	20,007	19,293	23,717	28,017	20,278	21,034	20,945	22,963	21,657	24,042	23,482	25,815
Indiana	6,662	7,019	7,263	9,993	11,188	15,157	11,226	7,941	8,163	6,308	7,473	6,613	8,654	7,241
Illinois	6,859	8,578	9,191	11,902	12,102	15,216	13,991	14,029	12,752	14,034	13,606	13,662	16,049	12,670
Michigan	12,758	14,087	15,578	18,039	12,545	20,410	14,781	16,514	14,239	21,471	18,350	23,373	17,645	22,393
Wisconsin	10,065	8,572	10,785	14,016	14,139	16,560	19,368	11,126	14,630	11,560	17,194	9,763	18,322	11,660
East North Central	51,408	55,775	62,824	73,243	73,691	95,360	79,644	70,644	70,729	76,336	78,280	77,453	84,252	79,779
Minnesota	3,294	3,884	4,108	5,052	5,830	8,727	11,089	5,273	5,553	7,430	6,072	7,271	6,390	8,241
Iowa	2,252	2,822	2,736	2,714	2,626	4,130	2,719	3,472	3,439	3,703	4,586	4,243	4,886	4,298
Missouri	5,048	5,103	6,137	5,742	6,481	7,779	6,349	5,404	6,999	6,315	7,322*	6,441*	7,768	8,261
North Dakota	161	167	177	116	132	175	107	169	134	200	151	184	134	194
South Dakota	467	495	427	187	174	225	169	349	170	285	255	503	247	501
Nebraska	1,477	1,955	1,952	2,154	2,548	4,128	2,911	2,629	2,555	2,998	2,596	3,323	2,361	3,344
Kansas	2,599	3,031	3,434	4,623	5,646	8,063	5,481	4,795	5,893	2,835	6,101	3,790	6,524	2,969
West North Central	15,298	17,457	18,971	20,588	23,437	33,227	28,825	25,091	25,743	23,769	27,083	25,755	28,310	27,808
Maryland	2,643	2,850	2,660	2,345	1,660	2,581	2,755	3,338	2,540	3,230	2,447	3,396	2,744	3,684
Virginia	602	740	786	699	668	851	1,117	134	1,165	114	1,115	147	1,727	866
West Virginia	635	783	892	812	614	853	674	944	2,611	2,915	2,273	2,853	2,560	2,848
North Carolina	301	298	236	143	94	136	101	-	103	159	916	529	1,158	572
South Carolina	10	5	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	98	104	132	31	25	27	57	5	47	36	85	42	124	127
Florida	635	724	502	13	4	2	53	59	213	247	527	800	886	862
South Atlantic 1/	5,185	5,662	5,407	4,270	3,074	4,453	4,776	4,691	6,717	6,702	7,648	8,115	9,595	9,386
Kentucky	1,366	1,922	2,503	2,561	2,759	3,607	2,987	1,509	2,803	2,149	3,956	2,671	4,718	3,196
Tennessee	804	1,073	1,128	630	464	662	1,189	178	592	330	1,231	535	1,726	2,087
Alabama	221	265	169	118	226	277	200	-	222	-	178	106	392	263
Arkansas	14	14	63	521	398	434	512	50	562	79	593	160	682	340
Louisiana	339	744	516	826	368	13	135	161	54	-	744	2,178	1,821	1,079
Oklahoma	2,353	2,692	2,094	1,611	2,034	2,570	2,248	2,567	2,440	2,731	2,246	3,429	4,488	5,043
Texas	2,050	1,992	1,651	908	1,452	1,883	867	1,089	1,324	2,878	1,964	3,933	3,855	5,368
South Central 1/	7,194	8,725	8,418	7,175	7,707	9,497	8,138	5,554	8,037	8,203	10,921	13,021	17,700	17,437
Montana	393	456	563	627	623	739	682	727	601	740	699	921	852	1,049
Idaho	294	359	379	402	472	515	357	591	418	847	597	828	793	957
Wyoming	94	125	76	68	93	95	141	99	184	-	231	68	241	125
Colorado	1,920	2,069	2,159	2,329	2,500	2,913	2,479	562	2,647	737	2,432	1,667	2,969	1,767
New Mexico	65	60	19	8	19	14	16	22	88	118	121	150	187	225
Arizona	763	881	1,159	1,756	1,783	1,656	1,132	1,357	1,042	1,552	1,121	1,661	981	1,438
Utah	966	1,042	1,022	1,240	1,531	2,206	1,650	1,760	1,588	1,980	1,886	2,660	2,395	3,443
Nevada	197	237	216	218	199	157	38	39	83	110	106	138	52	111
Mountain	4,692	5,231	5,593	6,648	7,220	8,295	6,495	5,157	7,031	6,084	7,393	8,093	8,470	9,115
Washington	6,146	8,583	9,062	10,207	12,558	14,915	11,673	14,908	9,426	15,557	9,219	14,987	10,146	16,300
Oregon	1,713	998	1,352	2,536	2,204	3,019	3,649	3,001	3,671	2,406	3,616	2,905*	3,473	4,947
California	25,076	25,302	25,693	26,009	29,451	35,990	39,779	57,445	41,984	61,624	43,963	63,326	49,294	72,217
Pacific	32,935	34,883	36,107	38,752	44,213	53,924	55,101	75,354	55,081	79,587	56,798	81,218	62,913	93,464
UNITED STATES	174,257	187,595	196,799	213,910	224,374	284,774	246,303	209,893	215,302	230,597	255,639*	249,236*	283,607	286,766

* Revised.

1/ Some regional totals include production for States not shown separately. Production omitted for States in which less than 3 plants reported.

2/ Data comparable with 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.

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TABLE 29-PRODUCTION OF EVAPORATED WHOLE MILK -- CASE GOODS -- (unsweetened), BY STATES, 1935-1949

State	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
California	187,899	180,775	159,567	180,500	211,447	244,015	289,570	281,883	239,905	309,357	325,565	310,182	287,313	324,007	268,496
Illinois	117,836	122,545	114,883	135,047	128,274	151,712	187,616	217,499	205,761	206,364	225,548	178,559	178,286	188,196	166,052
Indiana	38,688	52,256	48,679	59,145	61,678	72,130	86,042	118,002	101,600	108,229	125,230	112,576	115,478	127,107	94,641
Iowa	18,019	26,468	23,982	29,396	29,088	32,286	39,148	43,319	34,263	38,142	43,784	40,585	43,704	41,844	39,165
Kansas	23,250	18,423	21,443	27,382	26,151	36,553	50,319	53,113	47,516	57,041	60,070	53,683	63,315	64,829	56,537
Kentucky	51,646	48,712	49,534	61,197	60,949	65,851	88,511	111,039	96,285	116,567	138,629	139,264	166,101	183,824	199,816
Michigan	83,511	93,092	86,908	100,910	99,072	123,486	155,491	203,330	153,807	188,663	229,547	189,994	188,303	186,267	127,756
Mississippi	19,357	26,153	29,973	35,038	33,699	29,138	37,081	41,535	31,393	40,086	47,128	38,426	41,480	44,593	54,842
Missouri	35,177	43,537	61,948	68,914	72,674	92,605	129,892	148,072	155,684	179,922	200,689	173,724	177,953	208,026	163,396
New York	116,409	159,597	106,887	111,198	123,030	140,665	194,033	194,690	123,903	94,684	97,864	32,126	39,734	70,987*	66,638
Ohio	143,095	166,291	192,710	218,363	212,690	249,118	338,700	439,035	360,727	367,490	399,764	332,287	335,806	332,965	280,213
Oregon	24,667	34,047	28,190	31,649	31,825	32,836	27,478	38,288	33,543	41,926	39,673	32,853	27,072	1/	1/
Pennsylvania	29,340	43,363	46,526	49,770	48,071	55,990	59,455	61,189	37,917	42,564	54,006	32,498	41,499	52,508	44,091
Tennessee	43,430	42,341	50,373	59,255	52,364	52,520	74,281	84,989	83,004	94,385	114,340	109,333	124,704	136,198	128,829
Texas	6,236	14,735	25,404	32,592	31,764	32,561	43,493	35,841	29,326	38,019	42,810	33,950	37,575	28,957	28,439
Utah	47,581	49,881	50,053	50,935	51,440	52,671	63,809	69,878	68,757	82,501	83,433	67,104	69,257	70,885	61,680
Washington	60,106	67,017	66,933	70,219	75,018	90,250	112,963	127,781	109,980	119,142	116,869	76,597	75,373	92,182	66,551
Wisconsin	713,447	772,243	653,875	675,122	714,412	780,496	1,094,103	1,045,509	966,269	1,046,081	1,120,878	831,417	865,407	875,123	578,578
All other States	79,196	83,283	84,677	107,606	106,995	129,785	174,562	203,512	177,634	256,926	310,556	265,485	329,667	354,395	330,060
UNITED STATES	1,838,890	2,043,759	1,902,545	2,104,198	2,170,601	2,464,668	3,246,547	3,518,504	3,057,274	3,428,089	3,776,383	3,050,643	3,208,027	3,382,893	2,755,780

1/ Less than 3 plants reporting. Included in All Other States.

TABLE 30 -PRODUCTION OF DRY SKIM MILK (for animal feed), BY STATES, 1935-1949

State and division	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	1,355	1,521	4,643	3,444	1,852	2,741	2,182	320	38	57	69	20	255	216	404
New England 1/	1,392	1,521	4,643	3,444	1,852	2,741	2,182	418	290	285	335	327	557	515	795
New York	15,941	15,425	19,393	23,845	32,976	42,451	28,590	10,197	1,761	742	1,836	714	1,585	511	2,072
Pennsylvania	7,679	6,608	10,867	3,590	4,001	2,828	2,561	1,615	729	231	340	244	801	652	1,169
Middle Atlantic 1/	23,623	22,130	30,260	27,435	36,977	45,279	31,151	11,830	2,490	973	2,176	958	2,386	1,163	3,241
Ohio	3,001	4,054	4,038	6,147	4,463	5,283	3,689	1,324	171	320	1,069	211	661	423	914
Indiana	790	1,250	2,101	3,443	2,581	1,764	1,174	594	179	222	148	198	257	205	602
Illinois	718	761	1,022	1,746	1,180	1,041	865	625	66	156	110	67	91	102	219
Michigan	13,054	12,916	13,438	13,934	12,801	14,024	9,289	3,111	557	699	427	576	387	545	2,118
Wisconsin	26,925	37,197	28,569	44,617	31,181	37,642	18,804	14,149	5,408	3,870	3,600	3,082	1,287	3,306	4,658
East North Central	44,488	56,178	49,168	69,887	52,206	59,754	33,821	19,803	6,381	5,267	5,354	4,134	4,683	4,581	8,511
Minnesota	5,424	8,693	7,206	9,301	6,081	7,014	5,327	2,918	1,080	930	1,668	2,758	2,537	2,434	2,381
Iowa	305	305	487	640	392	517	361	285	325	518	273	398	296	114	1,157
Missouri	3,608	3,527	4,766	5,807	3,408	2,967	1,633	1,636	573	1,287	1,408	1,220	1,952	625	534
West North Central 1/	9,970	13,042	13,036	16,358	10,183	11,476	8,791	5,334	2,804	2,884	3,457	4,445	4,904	3,256	4,179
Maryland	1,190	606	656	1,697	2,640	1,233	599	260	115	69	161	43	140	35	139
Virginia	731	338	552	1,238	1,146	640	355	103	160	400	292	479	1,400	561	657
South Atlantic 1/	1,921	944	1,208	2,935	3,785	1,873	954	363	275	470	453	522	1,540	596	796
Kentucky	650	474	578	865	650	473	250	609	322	432	372	273	666	490	555
South Central 1/	1,588	2,038	2,670	2,909	2,319	2,211	1,600	1,154	707	986	875	479	1,947	990	809
Idaho	8,126	10,047	7,534	8,881	7,250	9,129	11,456	12,695	7,138	1,259	2,457	534	341	366	436
Mountain 1/	9,571	11,565	8,739	9,842	8,520	10,094	11,952	13,013	7,469	1,610	2,824	588	747	423	448
Washington	3,423	2,157	3,240	3,526	3,210	4,522	3,011	1,472	433	508	396	205	393	319	596
Oregon	2,039	2,380	2,619	3,592	3,739	4,109	3,945	3,304	1,846	2,269	1,041	687	1,447	758	713
California	11,960	13,768	11,909	20,442	17,728	17,903	12,635	4,457	1,584	1,155	597	1,359	3,545	544	1,166
Pacific	17,422	18,305	17,968	27,560	24,677	26,534	19,591	9,233	3,863	3,932	2,034	2,251	5,385	1,621	2,465
All Other States	3,056	3,696	3,874	3,415	3,241	3,681	3,316	1,474	1,794	1,283	1,244	636	2,108	939	764
UNITED STATES	109,975	125,723	127,692	160,170	140,520	159,962	110,042	61,148	24,279	16,407	17,508	13,704	22,149	13,145	21,244

1/ Some regional totals include production for States not shown separately. Production omitted for States in which less than 3 plants reported.

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TABLE 31-PRODUCTION OF NONFAT DRY MILK SOLIDS (for human consumption), 1935 -1949

State and division	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Vermont	2,948	6,774	7,027	4,566	6,840	11,603	11,468	13,030	7,789	10,121	6,345	1,497	7,437	7,412	21,039
New England 1/	3,604	7,310	7,366	4,855	7,302	12,112	11,810	13,415	8,146	11,037	7,426	2,866	7,672	7,464	21,588
New York	48,206	49,399	36,843	44,536	46,027	56,774	61,159	78,028	42,102	39,396	45,556	36,578	53,537	49,945	92,046
Pennsylvania	8,012	8,263	7,736	11,644	11,236	14,076	14,568	19,603	11,127	9,538	9,267	8,489	9,083	7,831	12,876
Middle Atlantic 1/	56,319	57,662	44,579	56,180	57,265	70,850	75,727	97,631	53,275	48,934	54,823	45,067	62,620	57,776	105,132
Ohio	1,484	3,724	4,714	7,905	7,629	9,019	9,951	19,655	18,236	20,820	23,243	18,233	25,023	29,237	45,354
Indiana	3,585	4,616	4,803	6,802	5,568	7,235	10,002	18,584	17,471	20,593	21,842	21,514	24,097	26,871	40,236
Illinois	1,413	1,417	2,851	2,131	2,065	2,137	2,532	2,535	3,947	5,269	5,575	6,963	7,313	7,468	13,260
Michigan	14,206	21,821	23,558	28,010	21,827	22,869	22,132	35,742	29,786	33,914	32,999	30,586	36,986	34,839	63,409
Wisconsin	39,222	50,922	60,920	68,849	69,430	80,715	100,881	176,569	158,101	168,994	191,179	189,346	189,565	201,560	260,181
East North Central	59,910	82,500	96,846	113,697	106,519	121,975	145,498	253,085	227,541	249,590	274,838	266,642	282,984	299,985	422,440
Minnesota	5,800	7,766	9,577	13,752	11,454	18,457	29,598	68,066	85,252	116,748	167,594	197,337	164,827	162,997	180,990
Iowa	18	57	112	–	–	–	4	1,169	2,954	6,154	9,593	11,143	10,387	9,894	13,520
Missouri	4,136	6,152	9,341	12,380	10,210	12,053	16,691	17,467	16,215	20,802	21,560	24,974	27,848	29,968	37,977
Kansas	2,025	1,748	2,555	3,856	3,408	2,865	4,408	5,819	5,218	6,039	4,481	4,970	6,899	7,172	12,182
West North Central 1/	14,305	19,288	25,463	33,741	27,927	36,343	54,369	97,167	113,340	152,776	206,249	243,402	215,427	213,662	248,661
Maryland	1,556	1,876	2,022	4,219	2,773	2,469	2,105	1,832	1,543	2,555	2,347	1,479	3,221	4,271	7,463
Virginia	–	–	–	–	–	1,123	492	414	487	654	454	222	283	2,156	6,419
South Atlantic 1/	1,556	1,876	2,022	4,219	2,773	3,592	2,597	2,264	2,276	3,580	3,636	2,999	4,001	6,994	14,382
Kentucky	223	198	553	1,029	887	832	1,056	1,520	1,088	1,521	1,345	1,326	1,305	1,768	2,179
Mississippi	1,130	472	907	2,433	614	565	1,235	795	979	2,055	2,489	1,857	1,847	1,912	2,772
Oklahoma	29	–	9	145	437	352	345	325	1,113	3,261	2,680	2,155	2,078	2,385	2,638
Texas	1,079	1,723	2,734	2,378	1,445	2,072	2,713	2,405	1,442	2,345	1,406	504	492	188	331
South Central 1/	7,120	6,889	9,140	11,628	6,567	6,841	8,411	7,890	6,283	11,182	9,176	7,780	7,909	8,132	10,856
Idaho	295	988	4,359	4,799	4,205	4,719	4,510	8,246	17,287	33,018	34,095	33,326	30,697	30,502	30,152
Utah	1,671	1,714	3,876	5,397	5,118	5,794	5,564	5,977	6,615	6,781	5,885	4,247	3,960	4,534	5,177
Mountain 1/	2,170	2,936	8,758	11,377	10,095	11,331	10,932	15,423	24,886	40,944	40,329	38,875	36,163	36,532	36,702
Washington	8,397	8,732	11,144	10,297	8,050	8,739	7,944	11,412	14,408	15,988	11,422	7,741	11,133	9,002	14,325
Oregon	2,872	3,294	3,982	3,631	3,293	4,437	3,990	7,842	7,596	6,619	3,125	4,566	8,184	4,775	7,046
California	31,282	33,340	35,211	39,496	38,069	45,563	45,177	59,285	51,869	42,262	31,522	33,527	41,848	37,210	52,530
Pacific	42,551	45,366	50,337	53,424	49,412	58,739	57,111	78,539	73,873	64,869	46,069	45,834	61,165	50,987	73,901
All other States	7,942	8,831	9,677	10,866	7,273	7,315	7,930	9,094	6,995	7,435	6,542	10,885	9,891	7,625	9,560
UNITED STATES	187,531	223,827	244,511	289,121	267,860	321,843	366,455	565,414	509,620	582,912	642,546	653,465	677,941	681,532	933,662

1/ Some regional totals include production for States not shown separately. Production omitted for States in which less than 3 plants reported.

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TABLE 32--PRODUCTION OF TOTAL ICE CREAM (wholesale and retail), BY STATES, 1935-1949

State and division	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.
Maine	1,196	1,352	1,542	1,535	1,572	1,758	2,306	3,040	2,545	2,613	2,964	4,651	3,855	3,065	2,962
New Hampshire	433	481	559	625	723	722	893	1,078	984	1,229	1,391	1,688	1,442	1,250*	1,209
Vermont	563	663	862	767	733	771	1,013	1,161	889	1,005	1,172	2,060	1,683	1,348	1,295
Massachusetts	8,586	9,455	11,693	10,762	11,990	12,133	15,811	17,737	14,954	16,769	18,895	25,585	22,572	19,733*	19,671
Rhode Island	1,533	1,840	2,089	2,207	2,505	2,488	3,476	4,574	3,969	3,830	4,217	5,504	5,012	4,208	3,975
Connecticut	2,245	2,580	3,113	3,155	3,457	3,802	5,171	5,676	4,540	5,168	5,775	8,216	7,649	7,265	6,899
New England	14,556	16,371	19,858	19,051	20,980	21,674	28,670	33,266	27,881	30,615	34,414	47,704	42,213	36,869*	36,011
New York	27,215	31,906	38,555	38,769	40,666	39,525	44,969	46,779	37,546	42,294	46,549	68,656	64,081	59,758*	60,314
New Jersey	4,397	5,626	7,034	7,424	7,336	7,650	9,033	11,340	7,843	8,751	9,114	13,405	12,168	10,590	9,555
Pennsylvania	27,175	33,830	39,449	38,077	39,918	42,102	49,160	54,256	48,273	47,814	53,555	79,494	72,558	67,526*	68,129
Middle Atlantic	58,787	71,362	85,038	84,270	87,920	89,277	103,162	112,375	93,662	98,859	109,218	161,555	148,807	137,874*	137,998
Ohio	13,365	16,784	18,623	18,286	19,842	20,579	26,830	30,692	24,764	26,315	30,087	44,570	38,400	34,965*	33,822
Indiana	4,486	5,926	6,826	7,559	8,281	9,436	11,262	13,292	10,821	12,962	13,499	21,696	19,592	18,871	18,058
Illinois	12,361	15,480	18,490	18,668	20,128	21,633	25,963	28,530	25,009	26,899	28,439	43,839	39,736	36,475	33,758
Michigan	11,217	14,063	15,743	14,202	15,080	16,414	19,886	21,990	18,391	20,175	21,050	30,895	27,815	26,232	26,192
Wisconsin	5,878	7,481	9,143	8,646	9,271	9,763	11,053	12,086	10,606	11,714	12,035	19,190	17,839	16,639	16,690
East North Central	47,307	59,734	68,825	67,381	72,602	77,825	94,994	106,590	89,591	98,065	105,110	160,190	143,382	133,182*	128,520
Minnesota	4,656	5,878	6,986	7,763	8,150	8,153	9,304	10,134	8,637	9,332	10,022	17,961	16,389	14,763*	14,019
Iowa	4,203	5,424	5,642	6,260	6,843	7,103	8,459	9,060	7,673	8,606	9,587	15,168	14,044	12,109	11,518
Missouri	5,485	6,873	7,659	7,911	8,500	8,793	11,226	13,315	11,688	12,384	13,078	21,273	18,929	16,381*	15,739
North Dakota	636	787	865	927	956	1,086	1,267	1,468	1,231	1,296	1,505	3,079	2,677	2,324	2,211
South Dakota	783	1,032	1,061	1,132	1,271	1,368	1,662	1,974	1,771	1,627	1,777	3,213	2,994	2,669*	2,614
Nebraska	2,023	2,635	2,361	2,300	2,725	2,859	3,610	4,285	4,027	4,719	4,881	7,416	7,132	6,607	6,212
Kansas	2,272	3,342	3,904	3,553	3,685	3,635	4,108	4,883	4,798	5,135	5,028	8,146	7,170	6,746	6,484
West North Central	20,058	25,971	28,478	29,846	32,130	32,997	39,636	45,119	39,825	43,099	45,878	76,256	69,335	61,599*	58,797
District of Columbia	2,526	3,135	3,397	3,566	3,878	4,019	5,277	7,167	5,989	7,129	7,459	9,887	7,495	6,531	6,303
Delaware	1,127	1,409	1,543	1,407	1,441	1,493	1,702	1,922	1,534	1,669	2,119	2,835	2,360	2,098	2,047
Maryland	3,544	3,957	4,058	4,725	5,262	5,634	7,464	8,990	7,440	7,663	8,420	11,228	9,844	8,540*	8,213
Virginia	2,892	3,538	3,735	3,757	4,026	4,677	6,471	8,873	8,402	8,894	9,117	13,668	11,044	10,446*	9,753
West Virginia	1,697	2,205	2,952	2,687	2,815	2,954	4,049	4,643	4,003	4,422	4,778	7,815	7,128	6,290	5,933
North Carolina	2,295	2,616	3,758	3,923	3,843	4,219	6,294	8,862	8,949	9,919	9,671	16,366	13,518	14,431*	13,430
South Carolina	530	569	685	766	974	978	1,560	2,805	3,091	3,258	3,169	3,561	2,971	2,602	2,306
Georgia	1,553	1,888	2,462	2,570	2,786	3,142	3,708	5,546	5,591	5,852	5,256	8,092	6,745	6,545	6,323
Florida	1,611	1,990	2,169	2,703	3,210	3,308	4,422	6,445	7,531	8,194	8,706	11,320	9,730	9,097*	8,274
South Atlantic	17,775	21,307	24,759	26,104	28,235	30,424	40,947	55,253	52,530	57,200	58,695	84,772	70,835	66,580*	62,582
Kentucky	1,537	1,316	1,457	1,776	2,106	2,029	3,311	3,982	3,206	3,692	3,832	5,719	4,712	4,550	4,315
Tennessee	2,608	3,330	3,920	3,585	4,378	4,681	6,464	8,075	7,671	7,986	8,834	16,662	13,177	13,242	12,160
Alabama	1,343	1,457	1,609	1,821	2,070	2,091	3,754	6,298	5,889	6,148	6,358	9,015	7,070	6,848*	6,359
Mississippi	1,017	1,195	1,490	1,156	1,414	1,596	2,363	3,413	3,138	3,289	3,223	4,912	3,976	3,832	3,486
Arkansas	594	688	821	1,056	1,266	1,337	1,709	2,384	2,471	2,462	2,774	3,105	2,905	2,952	2,701
Louisiana	1,773	1,943	1,968	2,105	2,195	2,225	3,692	5,098	5,290	5,930	5,335	7,514	7,144	6,617	6,789
Oklahoma	2,446	3,290	2,677	3,117	3,561	3,544	4,006	5,254	4,891	5,650	5,786	8,556	7,834	6,736	6,244
Texas	6,742	7,524	8,331	10,138	10,816	11,428	15,298	21,429	21,339	21,943	21,830	32,706	26,477	24,157	22,740
South Central	18,060	20,743	22,273	24,754	27,806	28,931	40,597	55,933	53,897	57,100	57,972	88,189	73,295	68,934*	64,774
Montana	833	1,187	1,355	1,316	1,426	1,573	1,579	1,741	1,419	1,499	1,588	2,809	2,726	2,721	2,873
Idaho	598	807	1,098	984	973	1,013	1,034	1,301	1,317	1,387	1,465	2,480	2,336	2,058	2,176
Wyoming	148	179	320	349	273	413	471	583	523	597	604	883	800	760	634
Colorado	2,312	2,656	2,915	2,827	3,105	3,100	3,326	4,401	4,028	4,065	4,255	6,339	5,831	5,272	5,275
New Mexico	218	281	368	372	463	469	568	767	776	989	1,009	1,380	1,264	1,094	973
Arizona	351	392	859	632	752	785	1,009	1,382	1,303	1,489	1,479	2,227	1,831	1,918	1,499
Utah	874	1,163	1,221	1,012	1,073	1,235	1,388	2,341	2,280	2,216	2,372	3,609	3,187	2,714	2,580
Nevada	111	161	196	175	215	201	245	294	365	552	516	569	638	704	723
Mountain	5,445	6,826	8,332	7,667	8,280	8,789	9,620	12,810	12,011	12,794	13,288	20,296	18,613	17,241	16,733
Washington	2,882	3,673	3,891	3,925	4,420	4,676	5,443	7,565	6,942	7,895	8,370	11,980	9,572	7,823	7,390
Oregon	1,568	1,923	2,092	2,376	2,648	3,135	3,558	4,410	4,451	4,238	4,719	7,153	6,678	6,120*	6,303
California	12,947	15,641	17,355	16,564	19,501	20,360	23,548	30,825	30,836	34,333	38,693	55,499	48,036	40,039	37,546
Pacific	17,397	21,237	23,338	22,866	26,569	28,171	32,549	42,800	42,229	46,466	51,782	74,632	64,286	53,982*	51,239
UNITED STATES	199,385	243,551	280,901	281,939	304,522	318,088	390,175	464,146	411,626	444,198	476,357	713,594	630,766	576,261*	556,654

* Revised.

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TABLE 33—PRODUCTION OF SHERBET (excluding water ices), BY STATES, 1935-1949

State and division	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.	1000 gal.
Maine	7	9	16	23	39	33	29	32	386	484	484	37	23	18	24
New Hampshire	4	3	9	9	9	8	10	14	63	71	87	8	12	16	18
Vermont	4	5	8	15	15	15	15	12	168	159	191	19	9	10	16
Massachusetts	206	245	333	383	408	444	492	478	1,608	1,573	1,547	519	286	352	466
Rhode Island	7	5	8	13	23	65	25	37	378	377	350	150	42	27	54
Connecticut	25	72	88	86	94	112	106	45	882	745	803	193	82	43	76
New England	253	339	462	529	588	677	677	618	3,485	3,409	3,462	926	454	466	654
New York	474	518	583	479	453	295	382	414	5,826	5,500	5,849	851	710	912	764
New Jersey	5	63	101	82	123	124	90	49	625	338	476	56	69	112	127
Pennsylvania	109	214	289	127	206	225	259	241	3,402	4,650	6,453	925	553	668	482
Middle Atlantic	588	795	973	688	782	644	731	704	9,853	10,488	12,778	1,832	1,332	1,692	1,373
Ohio	175	201	205	271	313	357	514	682	2,863	3,156	4,193	514	452	656	829
Indiana	43	71	62	86	115	136	154	166	946	1,248	1,457	113	145	211	339
Illinois	127	176	328	557	564	570	717	667	2,907	3,624	4,269	1,251	1,271	860	998
Michigan	119	163	286	291	364	448	459	504	2,006	2,039	2,790	529	643	599	774
Wisconsin	43	55	85	113	140	197	147	142	833	1,083	1,573	189	152	164	172
East North Central	507	666	966	1,318	1,496	1,708	1,991	2,161	9,535	11,150	14,282	2,596	2,663	2,490	3,112
Minnesota	42	48	72	85	95	96	119	108	539	528	1,385	152	123	141	178
Iowa	36	58	81	134	156	154	160	165	1,310	1,325	1,868	296	203	231	309
Missouri	110	157	126	176	163	271	173	166	1,311	992	2,180	474	339	320	362
North Dakota	13	22	16	15	12	13	10	14	134	124	383	1	4	20	28
South Dakota	6	17	28	23	33	45	45	41	132	106	225	8	16	33	69
Nebraska	107	152	153	131	148	154	169	184	511	481	559	125	126	143	176
Kansas	26	85	83	95	75	60	54	21	206	188	344	102	86	90	119
West North Central	340	539	559	659	682	793	730	699	4,143	3,744	6,942	1,158	897	978	1,241
District of Columbia	40	65	87	95	60	75	122	144	759	446	989	83	48	42	119
Delaware	–	–	–	2	–	1	–	1	278	168	24	160	63	92	141
Maryland	34	56	112	45	39	60	53	49	1,477	1,013	637	187	118	246	359
Virginia	29	41	53	44	91	129	93	91	649	624	947	43	63	73	296
West Virginia	51	64	84	69	88	22	32	41	451	345	385	23	96	245	304
North Carolina	51	70	138	193	514	602	140	447	699	995	1,265	288	228	277	284
South Carolina	1	–	5	10	23	27	27	35	102	228	540	143	72	40	68
Georgia	40	26	11	11	87	125	99	112	567	704	1,334	170	282	250	180
Florida	151	186	199	239	198	157	184	255	833	957	1,200	100	134	236	260
South Atlantic	397	508	749	708	1,100	1,198	800	1,215	5,815	5,480	7,321	1,197	1,104	1,501	2,011
Kentucky	68	69	86	75	66	69	122	143	508	461	822	89	70	107	137
Tennessee	53	119	92	92	116	136	230	171	1,110	1,183	1,599	102	130	313	292
Alabama	16	24	10	26	31	171	126	84	599	513	914	137	108	327	185
Mississippi	41	36	33	79	73	103	77	104	183	214	336	191	206	244	215
Arkansas	19	26	13	25	39	27	29	18	131	147	177	24	56	23	43
Louisiana	56	47	20	66	68	123	117	184	700	880	1,409	551	400	370	308
Oklahoma	29	67	64	76	105	101	102	149	549	597	1,103	47	84	114	203
Texas	91	189	304	229	347	301	263	395	2,599	2,448	3,879	1,458	1,077	1,123	865
South Central	373	577	622	668	845	1,031	1,066	1,248	6,478	6,843	10,239	2,599	2,131	2,621	2,248
Montana	27	34	28	25	28	34	28	38	104	121	81	20	17	23	31
Idaho	45	7	10	39	28	31	32	24	79	100	80	12	19	26	34
Wyoming	2	5	13	8	9	8	15	10	18	23	15	3	6	7	33
Colorado	91	104	110	116	128	134	128	120	480	402	740	95	93	97	84
New Mexico	4	6	7	3	22	14	11	6	89	31	122	39	24	24	35
Arizona	7	14	15	14	15	12	14	30	77	105	226	75	61	59	55
Utah	22	59	53	30	38	60	64	37	346	322	339	28	34	73	76
Nevada	3	–	–	5	3	15	12	19	10	6	3	–	4	24	33
Mountain	201	229	237	240	271	308	304	284	1,203	1,110	1,606	272	258	333	381
Washington	67	131	131	83	82	133	130	101	935	1,383	1,917	450	131	113	121
Oregon	17	10	33	64	74	68	92	103	485	633	778	118	95	90	126
California	843	1,478	1,260	1,089	7,873	1,529	1,539	1,639	5,286	5,241	5,852	871	1,382	1,927	2,306
Pacific	927	1,619	1,424	1,236	8,029	1,730	1,761	1,843	6,706	7,257	8,547	1,439	1,608	2,130	2,553
UNITED STATES	3,586	5,272	5,992	6,046	13,793	8,089	8,060	8,772	47,218	49,481	65,177	12,019	10,447	12,211	13,573

TABLE 34--WHOLE-MILK EQUIVALENT OF DAIRY PRODUCTS MANUFACTURED, BY STATES, 1949 1/

State and division	Creamery butter	Cheese: American	Cheese: Other than American	Evap. milk (unsweetened) Case	Cond. milk (unsweetened) Milk	Sweetened cond. milk Case & milk	Dry whole milk 2/	Ice cream & other frozen products 3/	Other milk & products 4/	Total	Duplications	Net total
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Maine	1,744	-	1,947	-	17,921	132	-	42,365	2,485	66,534	14,891	51,643
New Hampshire	-	-	-	-	-	-	-	20,000	52	20,052	6,982	13,069
Vermont	29,773	14,132	10,842	-	24	316	5,692	21,050	12,075	93,906	2,775	91,131
Massachusetts	4,786	-	20,858	-	-	-	-	292,334	475	318,453	117,854	200,599
Rhode Island	-	-	-	-	-	-	-	59,637	91	59,688	17,751	41,937
Connecticut	50	192	2,384	-	2,605	105	-	97,589	1,105	104,030	4,895	99,135
New England	36,353	14,324	35,831	-	20,552	553	5,692	532,975	16,188	662,462	164,548	497,914
New York	637,474	405,127	436,928	148,083	148,500	40,500	169,568	914,921	51,653	2,946,754	503,128	2,443,605
New Jersey	1,711	250	15,444	-	305	-	-	149,632	2,436	169,778	8,696	161,082
Pennsylvania	271,114	12,944	96,029	97,972	52,361	4,167	10,857	1,036,337	25,359	1,597,140	59,845	1,537,295
Middle Atlantic	910,299	418,321	548,401	246,055	195,167	44,667	180,425	2,100,889	69,448	4,713,672	571,470	4,142,202
Ohio	1,631,361	255,158	156,658	589,921	27,158	12,316	69,975	460,175	65,875	3,268,697	82,403	3,186,294
Indiana	894,213	373,974	2,105	199,237	38,232	1,526	30,700	232,620	12,262	1,784,769	60,188	1,724,581
Illinois	1,355,360	579,778	234,057	369,000	5,361	8,556	13,653	485,403	19,849	3,071,017	128,100	2,942,917
Michigan	1,248,223	257,222	14,371	283,889	20,139	72,445	91,237	386,400	28,718	2,382,644	55,550	2,327,094
Wisconsin	3,442,203	4,485,371	1,355,000	1,285,722	67,250	94,477	348,368	899,711	99,180	11,437,082	406,398	11,030,684
East North Central	8,571,360	5,951,503	1,762,191	2,727,769	158,040	189,120	553,933	1,804,309	225,984	21,944,209	732,633	21,211,576
Minnesota	5,416,187	550,638	20,486	61,361	-	20,778	153,184	207,210	20,023	6,449,868	52,560	6,397,308
Iowa	4,056,727	104,306	5,171	87,028	194	222	-	170,078	6,347	4,430,073	16,258	4,413,815
Missouri	1,332,575	600,590	256	335,179	5,949	410	1,050	209,902	15,194	2,499,305	51,806	2,447,499
North Dakota	931,040	-	-	-	-	-	-	33,040	278	964,358	13,173	951,185
South Dakota	671,263	14,833	-	-	-	-	-	41,297	694	728,087	9,284	718,803
Nebraska	1,572,330	14,028	28	-	167	917	-	94,263	4,453	1,685,186	28,518	1,657,668
Kansas	986,760	90,027	-	122,243	4,270	108	-	86,154	5,718	1,297,280	10,919	1,286,361
West North Central	14,966,882	1,374,423	25,941	605,811	10,580	22,435	154,234	843,944	50,907	18,055,157	182,518	17,872,639
District of Columbia	-	-	-	-	-	-	-	94,885	525	95,350	37,740	57,610
Delaware	-	-	-	-	-	-	-	27,816	25	27,841	10,892	16,749
Maryland	24,937	-	-	68,837	37,263	184	-	119,400	4,600	304,821	47,240	257,581
Virginia	154,320	4,949	-	118,282	7,897	1,615	273	135,556	1,531	424,453	40,756	383,697
West Virginia	28,432	821	-	61,795	1,436	-	-	79,571	3,452	175,507	3,931	171,576
North Carolina	49,863	14,769	-	59,200	188	-	-	174,319	955	299,234	85,059	214,175
South Carolina	3,974	-	-	16,333	-	-	-	25,682	-	45,989	12,500	33,489
Georgia	10,243	-	-	-	-	48	-	75,409	140	85,840	14,668	71,172
Florida	-	-	-	-	-	143	-	107,931	1,095	109,169	42,314	66,855
South Atlantic	321,769	20,539	-	323,847	46,724	1,990	273	840,339	12,323	1,567,804	295,102	1,272,702
Kentucky	457,511	240,475	-	399,825	-	-	-	53,582	4,635	1,155,828	19,589	1,136,239
Tennessee	242,067	377,175	26,825	267,650	-	-	2,705	148,773	2,364	1,067,559	49,581	1,008,038
Alabama	901	27,350	-	-	-	-	-	76,266	364	104,881	22,334	82,547
Mississippi	70,130	106,075	25	109,675	-	30,025	-	36,200	68	352,198	8,771	343,427
Arkansas	126,050	104,709	-	61,250	-	-	-	29,356	571	321,836	7,842	313,994
Louisiana	12,356	1,800	2,525	-	-	-	-	80,773	1,614	99,068	4,228	94,840
Oklahoma	568,645	100,513	7,333	6,538	5,615	1,487	1,375	76,400	6,095	774,001	22,497	751,504
Texas	243,170	52,675	50	56,875	525	450	-	210,772	6,233	630,750	30,164	600,586
South Central	1,720,830	1,010,772	36,758	891,813	6,140	31,962	4,080	772,022	21,944	4,496,121	164,926	4,331,195
Montana	163,096	28,514	-	-	-	-	-	37,898	1,333	230,841	7,725	223,116
Idaho	476,025	175,120	23,973	158,613	-	-	-	33,013	1,247	867,991	25,094	842,897
Wyoming	40,937	5,378	16,139	-	-	-	-	8,565	243	71,262	2,043	69,219
Colorado	258,935	14,861	5,943	36,694	2,028	-	1,611	74,921	12,116	437,111	5,189	431,922
New Mexico	22,325	3,256	-	-	1,789	-	-	13,700	268	41,338	898	40,440
Arizona	14,513	133	5,547	11,653	-	-	-	22,974	1,920	56,740	1,508	55,232
Utah	117,351	63,514	44,270	133,351	-	-	2,103	39,763	4,648	405,001	19,591	385,410
Nevada	19,342	110	-	-	-	-	-	12,789	182	32,403	601	31,802
Mountain	1,142,524	290,886	95,872	340,311	3,817	-	3,714	243,623	21,940	2,142,687	62,649	2,080,038
Washington	396,793	38,364	16,250	138,286	9,610	519	24	99,756	19,465	719,017	8,717	710,300
Oregon	316,808	221,400	3,575	27,875	-	33,700	2,302	79,512	5,614	692,786	22,692	670,094
California	765,590	41,944	50,444	586,667	39,444	13,305	51,658	576,846	116,841	2,250,739	84,651	2,166,088
Pacific	1,479,191	301,708	70,279	762,828	49,054	47,524	53,984	756,114	141,860	3,662,542	116,060	3,546,482
UNITED STATES	29,149,208	9,382,476	2,575,273	5,898,234	490,074	338,251	956,335	7,894,215	560,588	57,244,654	2,889,906	54,954,748

1/ Total whole-milk equivalent of factory dairy products calculated from production in each State as reported by the Bureau of Agricultural Economics, 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 buttermilk per pound of cheese made. Buttermilk 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/ Milk equivalent of this product included with "Other milk products" in previous years.
3/ Includes milk equivalents of sherbet and ice milk which had been included under "Other milk products" in previous years.
4/ Includes milk equivalents of dry cream, malted milk powder, part-skim dry milk, dry or concentrated ice-cream mix, and creamed cottage cheese. The latter product was not included until 1946.

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TABLE 35--SKIM-MILK EQUIVALENT OF CERTAIN SKIMMED MILK AND BUTTERMILK PRODUCTS, UNITED STATES, 1949 1/

State and division	Full skim American Cheddar cheese	Cottage cheese curd 2/	Sweetened condensed skim milk		Unsweetened condensed skim milk 3/	Concentrated skim milk (for animal feed)	Condensed or evaporated buttermilk	Dry or powdered		Dry casein 5/	Total
			Case	Bulk	Case & bulk			Buttermilk	Nonfat milk solids 4/		
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Maine	-	10,444	-	6,105	11,232	-	-	-	6,160	1,107	35,048
New Hampshire	-	306	-	-	-	-	-	-	-	-	306
Vermont	7,776	62,758	-	5,928	24,204	-	-	209	235,873	37,306	374,084
Massachusetts	-	1,169	-	-	-	-	-	-	4,180	-	5,349
Rhode Island	-	581	-	-	-	-	-	-	-	-	581
Connecticut	-	4,706	-	63	792	-	-	-	-	-	5,561
New England	7,776	79,994	-	12,096	36,228	-	-	209	246,213	38,413	420,929
New York	1,344	267,388	-	79,512	206,667	-	3,396	3,806	1,035,298	149,512	1,746,923
New Jersey	-	2,056	-	2,334	1,188	-	-	-	2,310	-	7,888
Pennsylvania	-	103,481	-	118,587	77,559	10,572	9,135	-	154,495	7,640	481,469
Middle Atlantic	1,344	372,925	-	200,433	285,414	10,572	12,531	3,806	1,192,103	157,152	2,236,280
Ohio	5,728	146,762	-	59,994	75,327	-	64,701	19,833	508,948	714	881,977
Indiana	-	54,088	-	58,032	102,330	10,467	7,701	9,042	349,218	-	590,878
Illinois	400	100,306	-	89,720	80,142	147	144,294	8,272	148,269	24,883	576,433
Michigan	-	110,281	-	29,556	77,157	327	14,088	40,062	720,797	178	992,446
Wisconsin	-	114,512	-	70,080	313,431	555	-	46,838	2,913,229	105,458	3,564,103
West North Central	6,128	525,949	-	287,352	648,387	11,499	230,784	124,047	4,740,461	131,233	6,705,840
Minnesota	2,320	39,938	-	24,474	28,371	-	17,751	216,306	2,017,881	134,839	2,480,880
Iowa	-	30,538	-	1,722	32,442	13,818	71,595	86,746	161,447	20,956	419,264
Missouri	64	48,550	-	4,614	75,999	5,643	35,379	16,335	423,621	-	610,205
North Dakota	-	838	-	2,517	-	-	4,785	26,466	2,695	-	37,301
South Dakota	1,936	1,544	-	87	-	-	9,210	8,382	-	-	21,159
Nebraska	-	14,756	-	3,942	4,227	-	39,411	20,691	42,394	-	125,421
Kansas	-	40,775	-	17,259	90,861	-	59,091	4,576	134,002	-	345,564
West North Central	4,320	176,939	-	54,615	231,900	19,461	237,222	379,302	2,781,240	155,795	4,040,794
District of Columbia	-	2,244	-	-	-	-	-	-	-	-	2,244
Delaware	-	231	-	-	-	-	-	-	-	-	231
Maryland	-	17,250	-	12,126	36,996	-	894	-	83,622	-	150,788
Virginia	-	10,794	-	13,134	72,294	-	-	-	77,836	-	174,058
West Virginia	-	16,000	-	504	1,293	-	480	770	5,500	-	24,547
North Carolina	-	7,238	-	-	4,995	-	-	-	-	-	12,233
Georgia	-	775	-	6,432	702	-	-	-	-	-	7,909
Florida	-	5,538	-	87	123	-	-	-	-	-	5,688
South Atlantic	-	59,970	-	32,223	116,403	-	1,374	770	166,958	-	377,698
Kentucky	96	29,488	-	1,905	7,185	-	35,193	660	30,074	-	104,601
Tennessee	208	10,788	-	6,729	41,220	-	2,730	-	20,999	-	82,674
Alabama	-	2,450	-	-	7,467	-	-	-	319	-	10,236
Mississippi	-	112	-	5,016	19,260	-	-	1,628	30,822	-	56,838
Arkansas	-	4,262	-	507	972	-	-	1,353	12,078	-	19,172
Louisiana	-	11,381	-	1,197	-	-	-	-	-	-	12,578
Oklahoma	-	28,050	-	2,349	14,370	-	9,480	11,232	29,326	6,426	101,133
Texas	-	24,094	-	5,016	50,991	-	771	1,914	4,697	-	87,483
South Central	304	110,625	-	22,719	141,465	-	48,174	16,687	128,315	6,426	474,715
Montana	-	5,325	-	-	-	-	-	-	-	-	5,325
Idaho	-	4,956	-	-	3,468	-	-	1,255	336,488	10,067	356,114
Wyoming	-	1,506	-	-	-	-	-	-	11,715	-	13,221
Colorado	32	18,586	-	6,951	2,640	-	3,189	6,360	-	-	37,748
New Mexico	-	1,169	-	-	540	-	879	-	-	-	2,588
Arizona	-	6,131	-	-	5,109	-	-	-	-	1,928	13,168
Utah	-	14,969	-	-	6,456	-	-	-	56,947	536	78,908
Nevada	-	325	-	-	-	-	-	22	3,520	-	3,867
Mountain	32	52,957	-	6,951	18,213	-	4,068	7,557	408,650	12,531	510,939
Washington	-	63,412	-	9,132	5,406	84	474	66	164,131	8,247	250,952
Oregon	-	21,706	-	3,090	9	-	-	1,914	85,349	321	112,389
California	112	308,088	-	26,016	188,943	3	522	8,591	590,546	144,906	1,267,727
Pacific	112	393,206	-	38,238	194,358	87	996	10,571	840,026	153,474	1,631,068
UNITED STATES	20,016	1,772,545	-	654,627	1,672,368	41,619	535,149	542,949	10,503,966	655,024	16,398,263

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/ Not strictly comparable with previous years as the cottage cheese for previous years included some duplication in the form of creamed cottage cheese.

3/ Plain condensed.

4/ Includes skim milk for animal feed.

5/ Skimmed milk or buttermilk.

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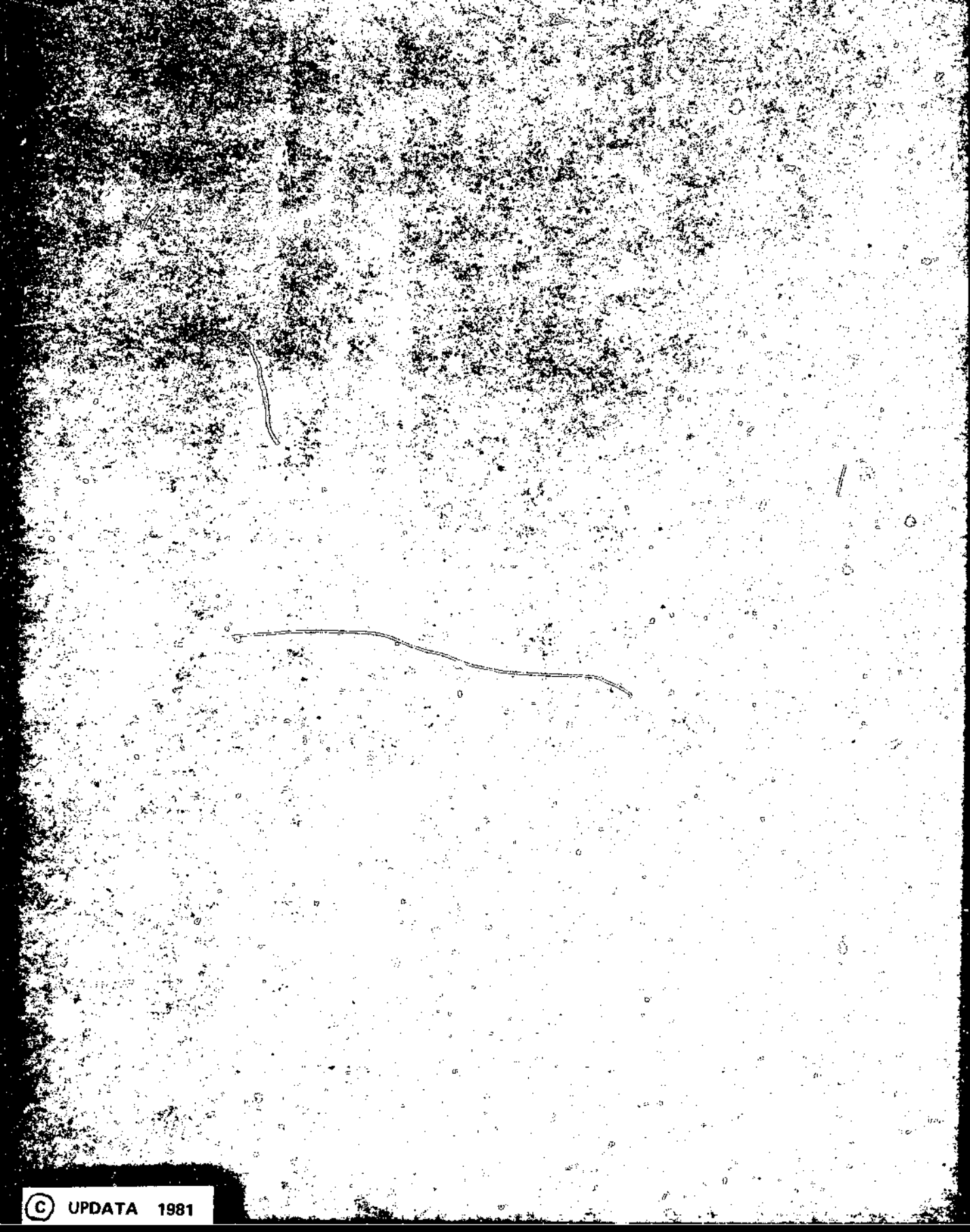

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