
DAIRY PRODUCTS

ANNUAL SUMMARY 1977



Crop
Reporting
Board

Economics, Statistics, &
Cooperatives Service

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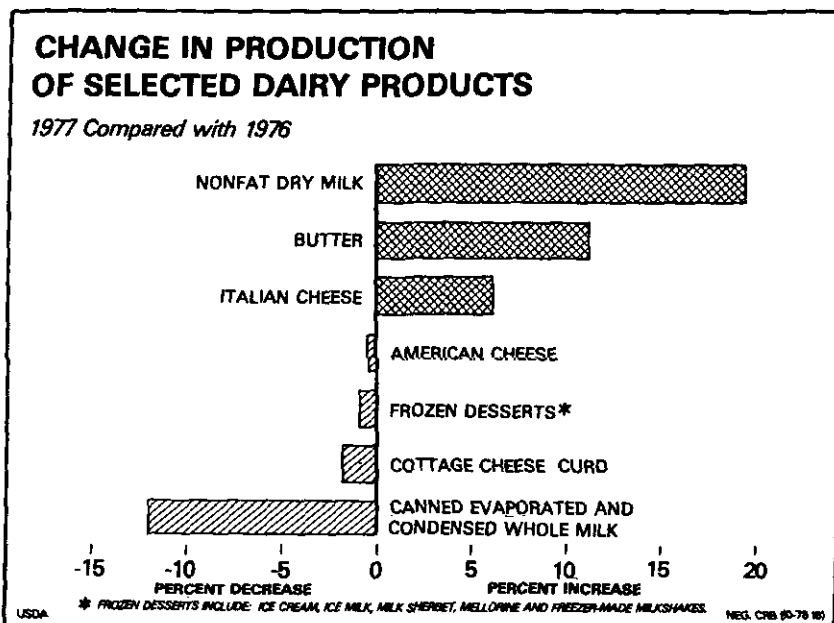
June 1978
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BUTTER PRODUCTION INCREASES IN 1977

Butter production in the United States rose sharply in 1977, increasing 11 percent from the previous year to 1.09 billion pounds. Wisconsin, the leading producing State, turned out 23.6 percent of the total while Minnesota produced 18.3 percent.



CHEESE OUTPUT SETS NEW RECORD

Total cheese production, excluding cottage cheese, increased to 3.36 billion pounds and exceeded the 1976 record of 3.32 billion pounds. Increases in Italian types and cream cheese barely off-set decreases of American, Brick, Part Skim, Neufchatel, and Limburger. Wisconsin was by far the leading producer with 38 percent of total cheese production, followed by Minnesota with 12 percent, and New York with 8 percent.

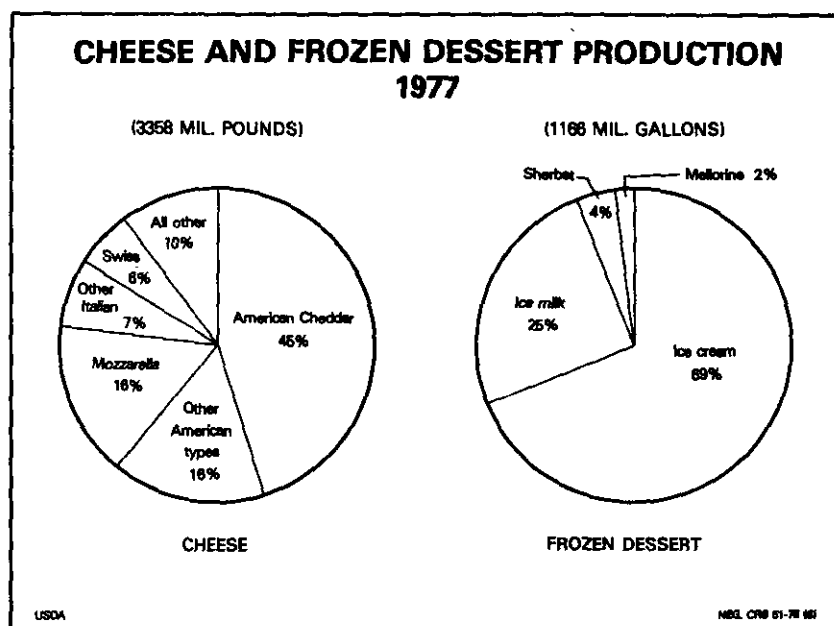
American type cheese production was virtually unchanged from the previous year and accounted for 61 percent of the total cheese production. Cheddar, at 1.52 billion pounds, dropped only one-half percent from the amount produced in 1976. This slight decrease was partially off-set by minimal gains in other American varieties.

Italian varieties continued their steady increase in production for the 26th consecutive year. Production, at 793 million pounds, was 6 percent above the 747 million pounds produced in 1976 and nearly 3 times as much as the 284 million pounds produced 10 years ago. Wisconsin led all States with 31 percent of the Italian cheese produced, followed by New York with 15 percent and California with 12 percent.

Problems associated with data collection prevent publication of 1977 production estimates for frozen yogurt in this report, as planned earlier.

COTTAGE CHEESE UP SLIGHTLY

Creamed cottage cheese totaled 878 million pounds, up very slightly from the 875 million produced in 1976. Lowfat cottage cheese, at 139 million pounds, increased 2 percent from the previous year.



TOTAL FROZEN DAIRY PRODUCTS DECLINE

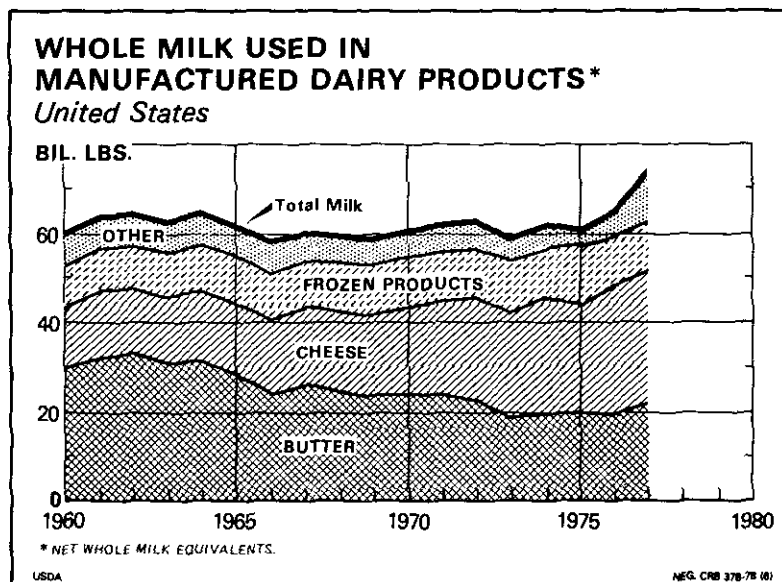
Frozen dairy products (ice cream, ice milk, milk sherbet, mellorine and "others") totaled 1.18 billion gallons, down 1 percent from the 1.19 billion gallons in 1976 and 4 percent below the record 1975 output.

Ice cream production in 1977 amounted to 804 million gallons, 2 percent below the 818 million gallons produced in 1976. Ice milk production of 293 million gallons gained 2 percent while milk sherbet totaled 50.0 million gallons, slightly more than the 49.6 million produced in 1976. Mellorine production in 1977 was 18.8 million gallons, down 19 percent from a year ago.

The 227 million gallons of ice cream, ice milk, milk sherbet and mellorine sold as soft products in 1977 accounted for about 19 percent of the total frozen products. Ice milk, with 192 million gallons, made up the bulk of all soft production, with ice cream, milk sherbet and mellorine accounting for about 15 percent of all soft production. Soft frozen dairy products are sold from direct-serve soft freezer and milk shake machines.

NONFAT DRY MILK UP SHARPLY IN 1977

Nonfat dry milk for human food totaled 1.11 billion pounds, 19 percent above 1976. Dry skim milk for animal feed at 7.88 million pounds, was one-third more than a year earlier. Production of dry whole milk at 69.4 million pounds decreased 11 percent while dry buttermilk totaled 53.2 million pounds, an increase of 15 percent.



WHOLE MILK USED FOR DAIRY PRODUCTS - CURRENT YEAR

Manufactured dairy products used 55.7 percent of the milk marketed in the United States during 1977, up slightly from the 55.1 percent in 1976. Whole milk used for manufacturing products, based on milkfat content, was 66.9 billion pounds, 3 percent above the previous year.

Whole milk used for butter production increased in 1977. A total of 21.9 billion pounds was utilized (excluding butter from whey cream). Butter accounted for 33 percent of the total whole milk used for all products during 1977, compared with 30 percent a year earlier.

Whole milk used for cheese, excluding creamed cottage cheese, totaled 28.9 billion pounds, up slightly from the 28.8 billion pounds in 1976. Milk for American cheese production decreased slightly, but this was offset mostly by a moderate increase in milk utilized for Italian type cheeses. Whole milk used for cheese production required 43 percent of all milk used for manufactured dairy products, down 1 percentage point from last year.

TABLE 7: MILK MARKETINGS AND UTILIZATION FOR MANUFACTURED DAIRY PRODUCTS, UNITED STATES, 1960-77

YEAR	MILK MARKETED		YEAR	MILK MARKETED	
	TOTAL	USED FOR DAIRY PRODUCTS		TOTAL	USED FOR DAIRY PRODUCTS
	MILLION POUNDS	PERCENT		MILLION POUNDS	PERCENT
1960	113,756	52.5	1969	111,793	52.1
1961	117,007	54.3	1970	112,999	53.1
1962	118,348	54.2	1971	114,814	53.7
1963	117,982	53.1	1972	116,487	53.5
1964	120,531	53.5	1973	112,141	52.3
1965	118,206	52.3	1974	112,385	54.6
1966	114,440	50.6	1975	112,262	53.9
1967	113,567	52.6	1976	117,303	55.1
1968	112,563	52.6	1977	120,127	55.7

(COMMENTS CONTINUED ON PAGE 69)

TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1976, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
BUTTER	336	92,519	84,961	90,021	87,021	91,397	83,937
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	465	108,381	107,301	122,946	138,826	155,419	158,181
OTHER AMERICAN 1/	228	39,021	38,833	45,410	49,724	51,199	50,054
TOTAL AMER. 1/	542	147,402	146,134	168,356	188,550	206,618	208,235
PART SKIM	4	361	381	520	488	450	440
SWISS	70	14,165	13,504	15,396	15,346	18,390	20,294
MUNSTER	74	4,629	3,892	4,272	4,589	4,964	4,696
BRICK	57	1,552	1,519	1,680	1,676	1,787	1,815
LIMBURGER	6	146	163	179	148	166	159
ITALIAN VARIETIES:							
MOZZARELLA	149	39,751	37,018	44,319	41,678	43,688	45,251
OTHER ITALIAN	126	19,130	17,782	21,893	22,457	20,914	20,961
TOTAL ITALIAN:	192	58,881	54,800	66,212	64,135	64,602	66,212
CREAM	21	11,796	10,330	14,580	11,915	10,745	13,311
NEUFCHATEL	4	406	151	361	275	342	318
BLUE 2/	11	2,662	2,459	2,538	2,362	2,720	2,792
ALL OTHER TYPES 3/	63	3,565	3,352	3,893	4,044	3,477	4,034
TOTAL CHEESE 4/	809	245,565	236,685	277,987	293,528	314,261	322,306
COTTAGE CHEESE:							
CURD 5/	338	56,867	55,363	67,261	62,431	62,649	62,997
CREAMED 6/	336	69,330	68,466	82,157	75,817	76,419	78,235
LOWFAT 7/	162	10,987	10,637	12,712	12,010	11,980	12,240
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	27	76,038	73,788	86,989	94,234	99,184	96,417
EVAPORATED SKIM	6	815	1,088	730	442	782	949
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	14	6,987	6,972	9,142	8,102	8,393	7,944
UNSWEETENED	41	11,943	12,778	16,025	15,355	14,794	21,461
SKIM							
SWEETENED	12	3,512	3,458	5,180	4,386	5,739	4,353
UNSWEETENED	106	47,227	48,855	58,253	62,481	75,040	77,206
CONDENSED OR							
EVAPORATED							
BUTTERMILK	9	2,332	2,002	2,284	2,338	2,152	1,944
DRY MILK:							
DRY WHOLE MILK	25	7,445	6,919	6,494	7,332	9,067	8,008
NONFAT DRY MILK							
FOR HUMAN FOOD	138	61,084	68,425	78,836	91,640	105,513	108,078
DRY SKIM MILK							
FOR ANIMAL FEED:	100	369	395	355	465	794	686
DRY BUTTERMILK	71	4,254	3,923	4,014	3,907	5,029	3,953

SEE FOOTNOTES ON PAGE 7.

TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1976, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
BUTTER	71,487	65,074	64,046	78,072	77,551	92,545	978,631
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	141,439	130,769	115,331	110,164	108,776	126,519	1,524,052
OTHER AMERICAN 1/	46,325	46,092	39,125	40,079	37,020	41,894	524,776
TOTAL AMER.	187,764	176,861	154,456	150,243	145,796	168,413	2,048,828
PART SKIM	410	397	367	345	337	455	4,951
SWISS	18,551	18,203	16,868	15,382	14,510	15,718	196,327
MUNSTER	4,878	4,702	4,717	4,717	4,426	4,844	55,326
BRICK	1,561	1,410	1,554	1,540	1,485	1,673	19,252
LIMBURGER	134	159	150	131	176	165	1,876
ITALIAN VARIETIES:							
MOZZARELLA	44,102	43,860	41,806	39,796	41,498	42,409	505,176
OTHER ITALIAN	19,196	19,702	19,361	18,510	20,236	22,087	242,229
TOTAL ITALIAN	63,298	63,562	61,167	58,306	61,734	64,496	747,405
CREAM	11,540	11,434	15,020	16,972	19,872	16,878	164,393
NEUFCHATEL	284	205	271	388	314	312	3,627
BLUE 2/	3,021	2,993	2,951	3,146	3,067	3,174	33,885
ALL OTHER TYPES 3/	3,494	3,622	3,710	3,333	3,612	4,240	44,376
TOTAL CHEESE 4/	294,935	283,548	261,231	254,503	255,329	280,368	3,320,246
COTTAGE CHEESE:							
CURD 5/	61,015	59,865	60,082	56,249	55,092	51,270	711,141
CREAMED 6/	75,937	74,428	73,089	69,534	67,871	63,322	874,605
LOWFAT 7/	11,790	11,270	11,428	10,729	10,304	9,277	135,364
CANNED MILK:							
EVAPORATED AND COND. WHOLE 8/	88,678	76,015	63,333	59,215	52,673	65,559	932,123
EVAPORATED SKIM	1,002	1,049	479	875	800	918	9,929
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	6,605	8,473	8,033	7,789	6,406	4,361	89,207
UNSWEETENED	19,550	17,696	15,114	12,400	13,738	10,567	181,421
SKIM							
SWEETENED	3,577	4,819	5,294	4,152	4,173	3,296	51,939
UNSWEETENED	67,566	70,046	60,219	56,424	48,734	48,937	720,988
CONDENSED OR EVAPORATED BUTTERMILK	2,147	1,416	1,466	1,529	1,690	1,607	22,907
DRY MILK:							
DRY WHOLE MILK	6,338	6,512	5,180	4,557	5,228	5,008	78,088
NONFAT DRY MILK							
FOR HUMAN FOOD	96,278	76,193	56,087	56,480	53,901	73,668	926,183
DRY SKIM MILK							
FOR ANIMAL FEED:	636	477	407	538	403	390	5,915
DRY BUTTERMILK	3,135	2,631	2,595	3,959	3,920	4,959	46,279

1/ INCLUDES COLBY, WASHED OR STIRRED CURD, MONTEREY AND JACK. 2/ INCLUDES GORGONZOLA. 3/ INCLUDES FULL-SKIM BEGINNING 1974. 4/ EXCLUDING COTTAGE CHEESE. 5/ MOSTLY USED FOR PROCESSING INTO CREAMED OR LOWFAT COTTAGE CHEESE. 6/ MILKFAT CONTENT 4.0 PERCENT OR MORE. 7/ MILKFAT CONTENT LESS THAN 4.0 PERCENT, MOSTLY 0.5 TO 2.0 PERCENT MILKFAT. 8/ COMBINED TO AVOID DISCLOSING INDIVIDUAL PLANT OPERATIONS.

TABLE 3--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1977

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
BUTTER	322	105,455	95,431	98,402	99,946	103,180	93,019
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	461	126,867	120,499	136,994	143,624	159,711	154,880
OTHER AMERICAN 1/	234	41,853	38,626	46,506	50,734	52,324	46,405
TOTAL AMER.	541	168,720	159,125	183,500	194,358	212,035	201,285
PART SKIM	3	360	123	362	486	422	386
SWISS	69	15,179	14,021	16,380	16,900	19,114	19,360
MUNSTER	68	4,508	4,212	4,897	4,438	4,181	4,631
BRICK	52	1,422	1,252	1,281	1,278	1,400	1,282
LIMBURGER	6	155	152	147	133	149	122
ITALIAN VARIETIES:							
MOZZARELLA	143	38,850	37,830	46,575	46,556	48,647	45,845
OTHER ITALIAN	130	19,486	18,211	23,427	21,362	21,630	21,779
TOTAL ITALIAN:	186	58,336	56,041	70,002	67,918	70,277	67,624
CREAM	22	10,109	11,105	15,967	11,709	11,981	14,604
NEUFCHATEL	4	274	211	255	332	209	350
BLUE 2/	11	2,897	2,581	2,845	2,859	2,895	2,912
ALL OTHER TYPES 3/	74	3,685	3,663	4,061	4,183	3,371	3,345
TOTAL CHEESE 4/:	806	265,644	252,486	299,697	304,594	326,034	315,901
COTTAGE CHEESE:							
CURD 5/	325	55,086	55,383	65,965	61,313	62,178	62,209
CREAMED 6/	318	68,424	68,893	81,522	75,697	78,411	77,347
LOWFAT 7/	161	10,945	10,711	13,086	12,185	12,232	12,393
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	24	61,797	63,917	72,065	82,225	86,586	81,892
EVAPORATED SKIM	7	984	1,188	876	614	448	617
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	12	7,148	6,747	8,600	7,089	7,575	6,561
UNSWEETENED	35	12,184	10,739	15,271	13,882	14,285	13,741
SKIM							
SWEETENED	10	4,903	4,199	5,532	4,403	6,301	7,014
UNSWEETENED	106	56,028	55,288	67,508	69,572	74,370	81,445
CONDENSED OR							
EVAPORATED							
BUTTERMILK	12	2,085	2,177	2,511	2,158	2,958	3,192
DRY MILK:							
DRY WHOLE MILK	15	6,284	6,238	7,645	6,323	7,521	6,307
NONFAT DRY MILK							
FOR HUMAN FOOD	134	70,259	71,663	87,970	105,891	119,829	130,224
DRY SKIM MILK							
FOR ANIMAL FEED:	91	519	483	664	742	765	1,008
DRY BUTTERMILK	66	5,328	4,693	4,815	4,908	5,216	4,435

SEE FOOTNOTES ON PAGE 9.

TABLE 3--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1977

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1976
1,000 POUNDS								
BUTTER	81,762	77,803	75,033	84,547	81,528	89,489	1,085,595	110.9
CHEESE TYPES:								
AMERICAN VARIETIES:								
CHEDDAR	131,716	121,193	102,549	105,254	97,488	116,073	1,516,848	99.5
OTHER AMERICAN 1/	43,504	43,711	38,897	40,991	37,915	44,056	525,522	100.1
TOTAL AMER.	175,220	164,904	141,446	146,245	135,403	160,129	2,042,370	99.7
PART SKIM	288	348	390	361	278	306	4,110	83.0
SWISS	17,263	16,042	13,989	12,651	12,766	15,594	189,259	96.4
MUNSTER	4,599	4,474	4,426	5,131	4,876	5,046	55,419	100.2
BRICK	1,017	1,345	1,463	1,562	1,270	1,315	15,887	82.5
LIMBURGER	152	109	152	176	142	134	1,723	91.8
ITALIAN VARIETIES:								
MOZZARELLA	45,624	47,930	45,854	46,469	45,798	48,057	544,035	107.7
OTHER ITALIAN	18,877	21,033	19,388	20,025	20,484	23,752	249,454	103.0
TOTAL ITALIAN	64,501	68,963	65,242	66,494	66,282	71,809	793,489	106.2
CREAM	10,963	12,720	17,332	16,799	19,685	20,146	173,120	105.3
NEUFCHATEL	251	178	379	299	310	253	3,301	91.0
BLUE 2/	2,882	2,937	2,922	3,057	2,837	3,152	34,776	102.6
ALL OTHER TYPES 3/	2,955	3,619	3,929	4,012	3,891	3,685	44,399	100.1
TOTAL CHEESE 4/	280,091	275,639	251,671	256,788	247,739	281,569	3,357,853	101.1
COTTAGE CHEESE:								
CURD 5/	58,312	61,458	58,942	56,375	55,517	50,795	703,533	98.9
CREAMED 6/	74,305	77,210	73,632	69,471	69,478	63,256	877,646	100.3
LOWFAT 7/	11,271	12,231	11,403	11,367	10,961	10,222	139,007	102.7
CANNED MILK:								
EVAPORATED AND COND. WHOLE 8/	77,894	73,428	59,696	53,486	47,136	58,805	818,927	87.9
EVAPORATED SKIM	428	475	534	425	795	713	8,097	81.5
BULK CONDENSED MILK:								
WHOLE								
SWEETENED	4,063	7,067	7,330	7,203	5,234	3,623	78,240	87.7
UNSWEETENED	12,483	15,041	11,641	11,921	11,374	8,889	151,451	83.5
SKIM								
SWEETENED	4,868	7,464	7,112	3,695	3,797	4,450	63,738	122.7
UNSWEETENED	75,236	78,405	65,745	60,604	55,218	57,798	797,217	110.6
CONDENSED OR EVAPORATED BUTTERMILK	2,297	2,337	2,992	2,899	2,813	1,925	30,344	132.5
DRY MILK:								
DRY WHOLE MILK	4,322	6,529	4,700	4,346	4,249	4,915	69,379	88.8
NONFAT DRY MILK FOR HUMAN FOOD	123,236	105,970	77,558	70,285	65,132	77,954	1,105,971	119.4
DRY SKIM MILK FOR ANIMAL FEED:								
DRY BUTTERMILK	876	569	563	822	437	436	7,884	133.3
DRY BUTTERMILK	3,753	3,619	3,410	4,085	4,038	4,931	53,231	115.0

1/ INCLUDES COLBY, WASHED OR STIRRED CURD, MONTEREY AND JACK. 2/ INCLUDES GORGONZOLA. 3/ INCLUDES FULL-SKIM BEGINNING 1974. 4/ EXCLUDING COTTAGE CHEESE. 5/ MOSTLY USED FOR PROCESSING INTO CREAMED OR LOWFAT COTTAGE CHEESE. 6/ MILKFAT CONTENT 4.0 PERCENT OR MORE. 7/ MILKFAT CONTENT LESS THAN 4.0 PERCENT, MOSTLY 0.5 TO 2.0 PERCENT MILKFAT. 8/ COMBINED TO AVOID DISCLOSING INDIVIDUAL PLANT OPERATIONS.

TABLE 4--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, 1976, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	1,124	54,570	57,453	73,742	70,757	70,189	83,783
ICE MILK 1/ 2/	718	15,343	17,571	24,568	26,076	28,161	32,436
MILK SHERRET 1/	812	3,015	3,013	4,310	4,444	4,771	5,966
OTHER FROZEN							
DAIRY PRODUCTS 1/	111	505	686	909	1,033	1,248	1,504
MELLORINE TYPE							
FROZEN DESSERTS 1/	119	1,795	1,765	2,275	2,151	2,100	2,463
WATER ICES 1/	281	1,744	1,985	3,811	4,288	4,514	5,793
MIX FOR PRODUCTS:							
ICE CREAM MIX	855	28,217	29,535	37,901	36,613	36,077	43,565
ICE MILK MIX 3/	874	9,814	11,067	15,667	16,526	17,279	20,284
MILK SHERRET MIX	618	1,969	1,972	2,843	2,938	3,137	3,935
MELLORINE MIX	132	972	930	1,215	1,135	1,110	1,303

SEE FOOTNOTES ON PAGE 11.

TABLE 5--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1976, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	30	8,471	7,918	6,978	9,962	10,218	10,997
ANIMAL FEED	15	929	1,053	1,235	1,715	2,144	1,872
ACID TYPE:							
HUMAN FOOD AND							
ANIMAL FEED	6	936	1,022	875	1,126	842	1,130
TOTAL COND.	43	10,336	9,993	9,088	12,803	13,204	13,999
DRY WHEY:							
HUMAN FOOD	68	37,198	38,176	39,378	41,215	45,543	41,559
ANIMAL FEED	108	14,476	14,775	18,473	19,470	19,450	20,645
TOTAL DRY	130	51,666	52,951	57,851	60,685	64,993	62,204
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	14	2,447	2,035	3,062	2,823	3,098	3,223
ANIMAL FEED	18	7,341	7,398	8,534	8,138	8,996	7,633
PART DEMINERALIZE							
HUMAN FOOD	4	2,223	2,160	2,995	2,444	1,620	1,778
ANIMAL FEED 2/							
PART DELACTOSED							
& DEMINERALIZED							
HUMAN FOOD	5	667	787	773	734	803	820
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	22	7,449	7,491	9,381	9,004	9,439	9,150
ANIMAL FEED	7	604	534	610	594	518	530
TOTAL LACTOSE	24	8,053	8,025	9,991	9,598	9,957	9,680
WHEY SOLIDS IN							
WET BLEND							
HUMAN FOOD	16	1,838	2,380	2,639	2,559	3,054	2,234
ANIMAL FEED	11	3,736	3,528	3,483	4,254	4,127	3,730

SEE FOOTNOTES ON PAGE 11.

TABLE 4--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, 1976, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 GALLONS							
FROZEN PRODUCTS:							
ICE CREAM	82,482	79,178	74,187	59,805	57,190	54,905	818,241
ICE MILK 2/	33,334	31,470	25,242	19,975	16,293	15,705	286,176
MILK SHERRET	5,755	5,045	4,215	3,088	2,873	3,094	49,589
OTHER FROZEN DAIRY PRODUCTS	1,539	1,161	747	539	369	372	10,612
MELLORINE TYPE FROZEN DESSERTS	2,403	2,253	2,085	1,628	1,249	1,117	23,284
WATER ICES	5,586	4,221	2,454	1,501	1,166	938	38,001
MIX FOR PRODUCTS:							
ICE CREAM MIX	42,589	40,909	37,430	30,385	29,163	27,775	420,159
ICE MILK MIX 3/	20,531	19,341	15,580	12,422	10,437	10,023	178,971
MILK SHERRET MIX	3,750	3,258	2,745	2,023	1,900	1,965	32,435
MELLORINE MIX	1,266	1,204	1,114	861	657	595	12,362

1/ PLANT COUNT DOES NOT INCLUDE COUNTER-FREEZERS.

2/ INCLUDES FREEZER-MADE MILKSHAKE. SEE FOOTNOTE, TABLE 37. 3/ INCLUDES MILKSHAKE MIX.

TABLE 5--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1976, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
CONDENSED WHEY SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	9,796	9,949	9,875	9,227	8,788	9,292	111,471
ANIMAL FEED	2,321	1,969	1,780	3,618	3,160	2,066	23,862
ACID TYPE:							
HUMAN FOOD AND ANIMAL FEED	832	679	972	824	920	985	11,143
TOTAL COND.	12,949	12,597	12,627	13,669	12,868	12,343	146,476
DRY WHEY:							
HUMAN FOOD	39,962	39,811	38,888	38,167	37,259	42,962	480,118
ANIMAL FEED	17,076	16,085	11,660	9,087	9,465	10,987	181,643
TOTAL DRY	57,038	55,896	50,548	47,254	46,724	53,949	661,761
MODIFIED DRY WHEY PRODUCTS:							
PART DELACTOSED:							
HUMAN FOOD	2,609	2,276	2,024	1,968	2,175	2,599	30,339
ANIMAL FEED	8,344	8,377	8,792	8,404	7,893	8,311	98,161
PART DEMINERALIZED:							
HUMAN FOOD	2,176	2,340	2,247	2,451	1,643	2,099	26,176
ANIMAL FEED 2/							
PART DELACTOSED & DEMINERALIZED:							
HUMAN FOOD	578	365	755	633	653	540	8,108
ANIMAL FEED 2/							
LACTOSE:							
HUMAN FOOD	8,629	8,187	8,139	7,504	7,761	8,184	100,258
ANIMAL FEED	673	341	341	181	237	363	5,526
TOTAL LACTOSE	9,302	8,528	8,480	7,685	7,938	8,547	105,784
WHEY SOLIDS IN WET BLEND:							
HUMAN FOOD	2,046	1,868	2,256	1,908	2,487	1,983	27,252
ANIMAL FEED	4,880	3,214	3,811	3,906	3,910	3,949	46,528

1/ FINAL MARKETABLE PRODUCT ONLY. DOES NOT INCLUDE QUANTITY USED OR SHIPPED TO ANOTHER PLANT FOR FURTHER PROCESSING INTO DRY WHEY OR MODIFIED DRY WHEY PRODUCTS.

2/ DATA NOT PUBLISHED TO AVOID DISCLOSURE OF INDIVIDUAL PLANT OPERATIONS.

TABLE 6--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, 1977

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:	1074						
ICE CREAM 1/	1,066	50,928	55,510	73,140	67,751	70,742	83,324
ICE MILK 1/ 2/	701	15,138	16,946	24,413	26,067	30,441	33,909
MILK SHERBET 1/	781 765	2,894	2,830	4,206	4,211	4,903	5,928
OTHER FROZEN							
DAIRY PRODUCTS 1/	107	464	581	1,051	1,207	1,556	1,715
MELLORINE TYPE							
FROZEN DESSERTS 1/	110	1,214	1,426	1,826	1,625	1,802	2,079
WATER ICES 1/	273	1,335	2,026	3,360	3,844	5,171	6,180
MIX FOR PRODUCTS:							
ICE CREAM MIX	821	26,054	28,281	37,235	34,357	36,230	42,236
ICE MILK MIX 3/	835	9,464	10,661	15,689	16,503	19,049	20,831
MILK SHERBET MIX	595	1,944	1,848	2,759	2,777	3,276	3,822
MELLORINE MIX	120	694	788	994	924	1,007	1,173

SEE FOOTNOTES ON PAGE 13.

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1977

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	27	8,839	8,412	10,541	9,683	11,455	10,373
ANIMAL FEED	11	961	855	1,122	1,310	1,980	1,236
ACID TYPE:							
HUMAN FOOD AND							
ANIMAL FEED	8	1,065	1,039	1,216	1,350	1,243	1,175
TOTAL COND.	36	10,865	10,306	12,879	12,343	14,678	12,784
DRY WHEY:							
HUMAN FOOD	68	43,397	36,389	40,968	43,088	42,989	42,299
ANIMAL FEED	96	10,148	12,724	17,486	16,318	18,386	17,603
TOTAL DRY	115	53,545	49,113	58,454	59,406	61,375	59,902
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	16	2,350	2,755	2,591	2,481	2,282	2,044
ANIMAL FEED	19	8,745	8,143	10,305	9,006	9,767	10,160
PART DEMINERALIZE:							
HUMAN FOOD	3	2,309	2,184	1,894	1,947	2,274	2,386
ANIMAL FEED 2/							
PART DELACTOSED							
& DEMINERALIZED							
HUMAN FOOD	6	562	481	697	770	941	437
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	19	8,393	8,682	9,595	8,433	9,053	8,886
ANIMAL FEED	5	460	475	502	550	594	860
TOTAL LACTOSE	22	8,853	9,157	10,097	8,983	9,647	9,746
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	18	2,554	2,171	2,209	1,749	1,805	1,958
ANIMAL FEED	8	3,776	3,572	3,363	2,232	1,529	3,134

SEE FOOTNOTES ON PAGE 13.

TABLE 6--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, TO 1977

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1976
1,000 GALLONS								
FROZEN PRODUCTS:								
ICE CREAM	78,767	83,081	71,650	59,629	56,306	53,304	804,132	98.3
ICE MILK 2/	34,439	32,502	26,129	20,877	17,171	15,268	293,300	102.5
MILK SHERBET	5,697	5,716	4,281	3,210	2,961	3,133	49,970	100.8
OTHER FROZEN DAIRY PRODUCTS	1,505	1,492	923	556	464	366	11,880	111.9
MELLORINE TYPE								
FROZEN DESSERTS	1,838	1,944	1,619	1,289	1,156	977	18,795	80.7
WATER ICES	5,330	4,205	2,305	1,444	1,115	911	37,226	98.0
MIX FOR PRODUCTS:								
ICE CREAM MIX	40,370	42,543	36,378	30,746	28,844	26,989	410,263	97.6
ICE MILK MIX 3/	21,240	20,545	16,640	13,292	11,263	10,142	185,319	103.5
MILK SHERBET MIX	3,588	3,702	2,733	2,095	1,974	1,972	32,490	100.2
MELLORINE MIX	1,028	1,094	892	739	666	540	10,539	85.3

1/ PLANT COUNT DOES NOT INCLUDE COUNTER-FREEZERS.

2/ INCLUDES FREEZER-MADE MILKSHAKE. SEE FOOTNOTE, TABLE 37. 3/ INCLUDES MILKSHAKE MIX.

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1977

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1976
1,000 POUNDS								
CONDENSED WHEY								
SOLIDS CONTENT 1/								
SWEET TYPE:								
HUMAN FOOD	9,744	9,775	8,860	9,196	8,012	10,463	115,353	103.5
ANIMAL FEED	1,582	2,313	1,486	1,468	1,590	1,375	17,278	72.4
ACID TYPE:								
HUMAN FOOD AND								
ANIMAL FEED	1,232	1,180	765	805	875	917	12,862	115.4
TOTAL COND.	12,558	13,268	11,111	11,469	10,477	12,755	145,493	99.3
DRY WHEY:								
HUMAN FOOD	37,774	36,337	35,340	36,190	34,765	42,976	472,512	98.4
ANIMAL FEED	11,249	9,874	10,155	9,337	8,962	10,495	152,737	84.1
TOTAL DRY	49,023	46,211	45,495	45,527	43,727	53,471	625,249	94.5
MODIFIED								
DRY WHEY PRODUCTS:								
PART DELACTOSED								
HUMAN FOOD	1,794	1,909	1,903	2,000	2,280	2,456	26,845	88.5
ANIMAL FEED	9,998	10,202	10,994	10,704	10,300	8,734	117,058	119.3
PART DEMINERALIZE:								
HUMAN FOOD	2,061	2,480	2,495	2,678	2,660	2,236	27,604	105.5
ANIMAL FEED 2/							32	
PART DELACTOSED & DEMINERALIZED:								
HUMAN FOOD	295	651	544	665	703	729	7,475	92.2
ANIMAL FEED 2/								
LACTOSE								
HUMAN FOOD	8,281	8,251	9,427	7,680	7,846	8,314	102,841	102.6
ANIMAL FEED	643	379	427	311	366	407	5,974	108.1
TOTAL LACTOSE	8,924	8,630	9,854	7,991	8,212	8,721	108,815	102.9
WHEY SOLIDS IN WET BLENDS								
HUMAN FOOD	1,566	2,099	1,958	1,974	1,918	1,906	23,867	87.6
ANIMAL FEED	3,415	3,350	3,980	4,602	5,077	6,408	44,438	95.5

1/ FINAL MARKETABLE PRODUCT ONLY. DOES NOT INCLUDE QUANTITY USED OR SHIPPED TO ANOTHER PLANT FOR FURTHER PROCESSING INTO DRY WHEY OR MODIFIED DRY WHEY PRODUCTS.

2/ DATA NOT PUBLISHED TO AVOID DISCLOSURE OF INDIVIDUAL PLANT OPERATIONS.

TABLE 8--BUTTER
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	14,651	12,124	14,641	12,989	14,192	13,487	12,722	12,038
COLO	488	591	425	408	260	216	198	190
IDAHO	688	523	609	650	840	1,050	1,256	979
ILL	1,119	1,041	963	964	940	781	561	615
IND	1,364	1,224	1,243	1,212	1,246	1,005	736	852
IOWA	4,841	4,397	4,952	5,002	5,353	4,642	4,255	4,203
KANS 2/	1,738	1,462	1,460	1,644	1,757	1,356	1,159	1,004
KY	1,446	1,633	1,350	1,463	1,117	911	974	609
MICH	2,845	3,071	3,076	2,694	3,605	3,358	2,437	2,874
MINN	16,647	15,836	18,806	19,085	19,312	18,871	18,279	16,029
MO	2,500	1,806	1,798	2,281	2,119	1,567	1,386	1,260
MONT	195	177	201	178	157	138	127	131
NEBR	1,582	1,434	1,464	1,313	1,288	1,299	1,018	1,256
N Y	3,925	3,733	2,967	4,278	4,462	4,270	2,831	1,760
N DAK	544	517	523	546	666	730	572	560
OHIO	3,454	3,180	3,561	3,218	3,586	3,376	2,624	1,909
OKLA	2,789	2,101	2,165	2,106	1,486	1,068	927	901
OREG	1,205	1,105	1,192	1,237	1,334	1,065	1,076	1,100
PA	2,528	2,157	2,130	2,815	3,083	2,754	2,543	2,756
S DAK	951	893	987	939	1,015	976	832	809
TENN	3,085	1,851	2,423	2,399	1,508	743	519	981
TEX	593	455	363	91	88	80	79	98
UTAH	630	524	557	505	453	486	495	392
VT	974	856	675	546	796	525	128	175
WASH	2,945	2,278	2,572	2,718	3,039	2,812	2,895	2,479
WIS	25,403	24,253	22,705	23,978	24,163	21,172	18,014	18,513
OTHER 1/	6,325	6,209	4,594	4,687	5,315	4,281	3,119	3,330
U S	105,455	95,431	98,402	99,946	103,180	93,019	81,762	77,803

TABLE 9--SWISS CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ILL	3,833	3,485	4,279	4,430	4,818	4,695	4,022	3,633
OHIO	2,159	2,103	2,446	2,482	2,979	2,893	2,733	2,894
PA	960	887	958	932	1,312	1,540	1,431	866
UTAH 2/	1,614	1,476	1,674	1,663	1,777	1,722	1,644	1,599
WIS	3,093	2,873	3,074	3,138	3,267	3,210	3,183	3,212
OTHER 1/	3,520	3,197	3,949	4,255	4,961	5,300	4,250	3,838
U S	15,179	14,021	16,380	16,900	19,114	19,360	17,263	16,042

SEE FOOTNOTES ON PAGE 15.

TABLE 8--BUTTER
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL ¹			
	SEP	OCT	NOV	DEC	1976		1977	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS		
CALIF	11,806	13,232	11,621	13,439	20	147,036	21	156,942
COLO	285	435	545	490	4	4,861	4	4,531
IDAHO	984	681	374	774	10	6,993	7	9,408
ILL	645	739	694	715	8	12,759	7	9,777
IND	746	810	806	1,015	9	22,769	8	12,259
IOWA	2,998	3,195	2,629	3,300	12	39,668	12	49,767
KANS 2/	973	1,438	949	1,214	2	14,815	2	16,154
KY	763	1,407	1,347	1,282	3	19,406	3	14,302
MICH	2,836	2,881	2,565	2,549	11	27,953	12	34,791
MINN	13,948	13,025	13,911	14,886	54	177,454	48	198,635
MO	1,482	1,660	1,722	2,008	5	20,914	4	21,589
MONT	163	188	180	184	8	1,919	10	2,019
NEBR	1,242	1,276	1,368	1,434	10	17,623	8	15,974
N Y	1,953	2,852	2,111	2,111	25	28,223	25	37,253
N DAK	468	453	464	547	13	7,230	12	6,590
OHIO	2,326	2,799	3,029	3,163	9	21,638	9	36,225
OKLA	799	1,472	2,076	2,426	3	20,300	3	20,316
OREG	1,118	1,321	1,173	1,119	12	12,379	12	14,045
PA	2,406	3,083	2,949	2,888	11	23,441	10	32,092
S DAK	790	817	757	905	11	9,705	11	10,671
TENN	1,368	1,726	2,310	2,350	5	18,277	5	21,263
TEX	118	139	134	429	3	3,895	3	2,667
UTAH	344	363	341	417	6	5,653	6	5,507
VT	149	248	447	515	4	7,090	4	6,034
WASH	2,656	2,430	2,226	2,308	13	31,671	13	31,358
WIS	17,631	20,306	19,360	21,006	44	230,211	43	256,504
OTHER 1/	4,036	5,571	5,440	6,015	21	44,748	20	58,922
U S	75,033	84,547	81,528	89,489	336	978,631	322	1,085,595

TABLE 9--SWISS CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL ¹			
	SEP	OCT	NOV	DEC	1976		1977	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS		
ILL	3,099	2,796	3,177	3,316	10	46,358	9	45,573
OHIO	2,437	2,393	2,307	2,495	13	28,478	17	30,321
PA	476	512	297	555	6	12,928	6	10,726
UTAH 2/	1,520	1,573	1,425	1,502	2	20,173	2	19,189
WIS	3,252	3,042	2,621	2,919	23	36,308	25	36,884
OTHER 1/	3,205	2,335	2,939	4,817	11	51,892	10	46,566
U S	13,989	12,651	12,765	15,594	70	196,327	69	189,259

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

2/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 10--TOTAL CHEESE, EXCLUDING COTTAGE CHEESE:
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
ARK	916	719	946	1,278	1,415	1,237	1,247	1,237
CALIF	8,158	8,119	9,877	9,917	11,317	11,032	11,165	11,249
CONN	349	399	463	368	304	319	319	370
IDAHO	6,254	6,098	8,040	7,609	7,855	8,051	6,975	6,644
ILL	8,024	6,638	8,045	7,821	8,574	8,565	8,452	8,261
IND	2,012	1,953	2,550	2,825	3,257	3,245	3,057	2,920
IOWA	14,035	13,274	16,268	15,562	17,581	16,695	15,009	14,390
KANS	1,882	2,192	2,632	3,457	3,622	3,088	3,023	2,354
KY	4,959	4,222	5,093	6,990	7,313	6,454	6,572	7,116
MASS	492	456	408	562	487	510	394	445
MICH	2,487	2,306	2,663	2,657	2,860	2,999	2,856	2,998
MINN	40,071	37,828	40,993	38,678	38,600	35,801	27,254	27,652
MISS	625	676	1,399	1,680	1,466	1,027	828	683
MO	4,822	4,782	5,772	6,683	7,414	7,972	7,005	6,209
MDNT 1/								
NEBR	4,502	4,204	5,086	5,340	6,177	5,544	5,138	4,951
N J	1,146	1,238	1,677	976	1,114	1,140	943	1,207
N Y	18,683	18,954	25,169	21,851	23,051	24,350	19,087	21,313
N DAK	4,072	3,656	4,491	4,822	5,783	5,951	5,144	4,689
OHIO	5,625	5,123	6,347	7,324	7,784	7,475	6,321	6,769
OKLA 1/								
OREG	1,997	1,852	2,247	2,409	2,577	2,433	2,513	2,304
PA	6,630	6,059	7,872	8,715	8,549	8,324	8,071	8,088
R I 1/								
S DAK	5,418	5,194	6,094	5,887	6,403	6,307	5,546	5,347
TENN	2,829	2,303	3,178	4,102	4,339	4,241	3,040	2,770
TEX	790	1,453	1,582	2,364	2,649	2,255	1,990	796
UTAH	5,095	5,151	5,289	5,406	6,378	6,065	5,502	5,050
VT	4,547	4,195	4,880	5,124	5,387	5,751	5,084	5,034
WASH	2,682	2,397	2,588	2,789	3,280	2,696	2,886	2,810
WIS	102,262	96,809	112,155	114,319	123,806	120,394	109,519	107,511
OTHER 1/	4,280	4,246	5,893	7,079	6,692	5,980	5,151	4,472
U S	265,644	252,486	299,697	304,594	326,034	315,901	280,091	275,639

TABLE 11--BRICK CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
IDAHO 1/								
OHIO	20	11	19	11	18	23	16	13
WIS	840	714	879	839	902	891	821	898
OTHER 1/	562	527	383	428	480	368	180	434
U S	1,422	1,252	1,281	1,278	1,400	1,282	1,017	1,345

SEE FOOTNOTES ON PAGE 17.

TABLE 10--TOTAL CHEESE, EXCLUDING COTTAGE CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ARK	1,093	1,091	938	936	4	12,834	4	13,053
CALIF	10,724	10,998	11,466	11,766	31	112,112	46	125,788
CONN	428	422	408	468	9	4,499	9	4,607
IDAHO	7,573	7,128	7,208	8,354	15	88,637	14	87,789
ILL	6,856	6,652	5,360	6,953	28	94,724	27	91,201
IND	2,726	2,733	2,207	2,305	5	33,433	5	31,790
IOWA	12,673	13,146	12,193	14,028	21	179,125	20	174,854
KANS	1,379	1,287	1,233	2,001	11	31,536	10	28,150
KY	5,609	5,651	4,558	5,063	12	64,904	12	69,600
MASS	485	553	472	522	10	6,123	9	5,786
MICH	2,820	2,790	2,532	2,863	15	34,140	16	32,831
MINN	25,476	31,294	31,335	35,646	27	430,491	30	410,628
MISS 1/	327	299	405	1,010			4	10,425
MO	5,366	5,528	5,153	5,965	14	69,916	13	72,671
MONT 1/					3	1,844		
NEBR	4,247	3,636	3,926	4,694	15	62,859	14	57,445
N J	1,312	1,511	1,542	1,686	8	16,843	7	15,492
N Y	22,190	20,609	21,252	23,818	46	255,639	49	260,327
N DAK	3,785	3,657	3,495	3,898	14	51,962	14	53,443
OHIO	6,154	5,898	6,051	7,077	25	80,748	23	77,948
OKLA 1/					3	7,326		
OREG	2,142	2,209	1,972	2,107	6	26,660	6	26,762
PA	7,218	7,714	7,938	8,528	23	87,743	23	93,706
R I 1/					3	1,572		
S DAK	5,031	4,897	4,588	5,159	18	65,144	18	65,861
TENN	2,891	2,693	2,237	4,133	10	34,838	10	38,756
TEX	576	687	924	1,685	4	11,661	4	17,751
UTAH	4,334	4,339	4,187	4,841	9	63,766	9	61,637
VT	4,600	3,976	3,906	4,806	11	54,740	11	57,290
WASH	2,812	2,824	2,746	3,052	7	30,501	6	33,562
WIS	97,679	98,803	92,848	102,785	380	1,241,180	368	1,278,890
OTHER 1/	3,165	3,773	3,659	5,420	22	62,746	25	59,810
U S	251,671	256,788	247,739	281,569	809	3,320,246	806	3,357,853

TABLE 11--BRICK CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
IDAHO 1/					3	211		
OHIO	15	24	14	19	3	211	3	203
WIS	886	971	912	934	36	12,599	36	10,487
OTHER 1/	562	567	344	362	15	6,231	13	5,197
U S	1,463	1,562	1,270	1,315	57	19,252	52	15,887

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977								
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG	
1,000 POUNDS									
ARK	618	486	645	932	1,044	885	763	676	
CALIF	573	557	890	1,121	1,194	1,084	1,181	1,097	
IDAHO	4,937	4,664	5,771	5,553	5,049	5,747	4,742	4,432	
ILL	1,794	813	835	890	1,184	1,077	1,409	1,515	
IND	1,911	1,838	2,437	2,675	2,922	2,865	2,769	2,593	
IOWA	8,445	8,278	9,053	8,819	10,085	9,202	8,573	8,417	
KANS	1,819	2,095	2,505	3,320	3,516	2,959	2,876	2,187	
KY	3,390	2,947	3,417	5,085	5,718	5,246	4,762	4,866	
MICH	1,249	1,111	1,410	1,420	1,553	1,625	1,763	1,862	
MINN	34,896	32,520	34,911	32,963	33,120	30,472	22,255	22,286	
MISS	613	664	1,387	1,667	1,453	1,014	815	671	
MO	3,645	3,488	3,991	5,041	5,822	5,192	4,547	4,562	
MONT 2/									
NEBR	2,413	2,347	2,726	2,900	3,130	3,079	2,650	2,463	
N Y	6,270	5,978	7,034	8,042	8,811	8,959	7,249	6,065	
N DAK	4,072	3,656	4,491	4,822	5,783	5,951	5,144	4,689	
OHIO	2,125	2,014	1,955	2,968	3,118	2,864	2,098	2,314	
OKLA 2/									
PA	2,593	2,043	2,588	3,494	3,151	3,136	3,179	3,160	
S DAK	3,393	3,216	3,845	3,674	4,108	4,147	3,528	3,343	
TENN	1,476	1,358	1,912	2,260	2,514	2,169	1,907	1,799	
UTAH	3,481	3,675	3,615	3,742	4,601	4,343	3,858	3,451	
VT	1,388	1,255	1,418	1,515	1,687	1,877	1,691	1,549	
WASH 2/									
WIS	70,092	66,282	77,208	80,168	89,314	86,269	77,750	73,345	
OTHER 2/	7,527	7,840	9,456	11,287	12,158	11,122	9,711	7,562	
U S	168,720	159,125	183,500	194,358	212,035	201,285	175,220	164,904	

TABLE 13--MUNSTER CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977								
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG	
1,000 POUNDS									
IDAHO	44	45	62	11	16	32	55	38	
ILL	311	319	335	351	284	412	370	402	
WIS	3,639	3,424	3,920	3,481	3,455	3,867	3,586	3,529	
OTHER 2/	514	424	580	595	426	320	588	505	
U S	4,508	4,212	4,897	4,438	4,181	4,631	4,599	4,474	

SEE FOOTNOTES ON PAGE 19.

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ARK	619	600	515	481	4	7,589	4	8,264
CALIF	1,048	1,149	1,185	1,287	12	8,973	20	12,366
IDAHO	5,390	5,054	4,766	5,799	15	66,785	14	62,904
ILL	999	984	337	558	13	17,269	13	12,395
IND	2,335	2,407	1,850	1,824	4	28,964	4	28,426
IOWA	6,715	6,321	4,893	6,336	18	101,531	17	95,137
KANS	1,189	1,111	1,048	1,823	10	29,945	9	26,448
KY	4,049	3,698	2,706	3,237	9	49,450	9	49,121
MICH	1,620	1,790	1,709	1,934	10	18,431	10	19,046
MINN	20,350	25,453	25,467	29,880	22	365,162	21	344,573
MISS 2/	315	287	393	998			4	10,277
MO	3,310	3,573	2,836	3,581	13	51,476	12	49,588
MONT 2/					3	1,844		
NEBR	2,147	2,095	2,131	2,760	10	32,177	10	30,841
N Y	5,311	4,856	4,676	5,656	15	80,313	16	78,907
N DAK	3,785	3,657	3,495	3,898	14	51,962	14	53,443
OHIO	1,880	1,838	2,128	2,472	8	26,284	7	27,774
OKLA 2/					3	7,159		
PA	2,746	3,371	3,183	3,589	3	37,027	3	36,233
S DAK	3,139	3,147	2,981	3,302	16	43,177	15	41,822
TENN	1,352	1,265	1,039	1,458	9	20,536	11	20,509
UTAH	2,814	2,766	2,762	3,339	9	43,580	9	42,447
VT	1,391	1,499	994	1,221	8	18,608	8	17,485
WASH 2/					5	16,319		
WIS	62,882	62,509	57,849	65,623	285	835,505	281	869,291
OTHER 2/	6,062	6,815	6,460	9,073	24	88,762	29	105,073
U S	141,445	146,245	135,403	160,129	542	2,048,828	541	2,042,370

TABLE 13--MUNSTER CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
IDAHO	38	42	46	56	3	406	3	485
ILL	365	387	379	439	7	4,526	7	4,354
WIS	3,349	3,916	3,836	3,889	53	43,654	51	43,891
OTHER 2/	674	786	615	662	11	6,740	7	6,689
U S	4,426	5,131	4,876	5,046	74	55,326	68	55,419

1/ INCLUDES CHEDDAR, COLBY, WASHED CURD, STIRRED CURD, MONTEREY AND JACK.
2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 14--CHEDDAR CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	164	158	306	572	548	481	467	458
IDAHO	2,295	2,345	2,971	2,600	2,717	2,588	1,732	2,055
ILL	392	432	472	535	764	696	566	489
IOWA	5,674	5,352	6,050	5,775	6,493	5,848	5,301	5,149
MINN	27,207	25,483	26,382	24,049	24,655	24,634	18,200	16,774
MISS	613	664	1,367	1,667	1,453	1,014	815	671
MONT 1/								
NEBR	793	814	810	967	1,442	1,278	1,053	894
N Y	5,949	5,674	6,610	7,682	8,377	8,482	6,889	5,701
OREG 1/								
S DAK	3,250	3,088	3,690	3,544	3,970	3,988	3,358	3,197
TENN	1,158	1,075	1,486	1,903	2,069	1,734	1,564	1,338
UTAH	2,884	3,068	2,915	3,079	3,920	3,833	3,320	2,773
WIS	56,250	53,051	60,734	62,744	71,479	70,322	61,902	58,037
OTHER 1/	20,238	19,295	23,181	28,507	31,824	29,982	26,549	23,657
U S	126,867	120,499	136,994	143,624	159,711	154,880	131,716	121,193

TABLE 15--BLUE CHEESE 2/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
WIS	1,651	1,457	1,565	1,718	1,719	1,827	1,766	1,861
OTHER 1/	1,246	1,124	1,280	1,141	1,176	1,085	1,116	1,076
U S	2,897	2,581	2,845	2,859	2,895	2,912	2,882	2,937

SEE FOOTNOTES ON PAGE 21.

TABLE 14--CHEDDAR CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS		
CALIF	380	447	489	438	7	2,229	13	4,908
IDAHO	2,172	2,119	2,201	2,484	14	36,251	12	28,279
ILL	255	16	24	30	10	6,993	6	4,671
IOWA	4,258	3,910	2,698	3,351	18	61,409	17	59,859
MINN	15,713	18,536	18,321	21,613	18	276,072	18	261,567
MISS 1/	315	287	393	998			4	10,277
MONT 1/					3	1,844		
NEBR	733	725	888	1,393	8	11,434	9	11,790
N Y	4,997	4,501	4,294	5,303	15	75,367	15	74,459
OREG 1/					6	25,873		
S DAK	1,963	1,527	2,645	2,941	16	41,439	16	37,161
TENN	934	944	799	1,045	8	16,329	8	16,049
UTAH	2,294	2,242	2,009	2,833	9	37,689	9	35,170
WIS	49,472	49,989	45,725	52,737	245	661,465	245	692,442
OTHER 1/	19,063	20,011	17,002	20,907	88	269,658	89	280,216
U S	102,549	105,254	97,488	116,073	465	1,524,052	461	1,516,848

TABLE 15--BLUE CHEESE 2/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS		
WIS	1,774	1,825	1,678	1,877	5	20,379	4	20,718
OTHER 1/	1,148	1,232	1,159	1,275	6	13,506	7	14,058
U S	2,922	3,057	2,837	3,152	11	33,885	11	34,776

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

2/ INCLUDES GORGONZOLA.

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	409	399	584	549	646	603	714	639
IDAHO	2,642	2,319	2,800	2,953	3,332	3,159	3,010	2,377
ILL	1,402	381	363	355	420	381	843	1,026
IOWA	2,771	2,926	3,003	3,044	3,592	3,354	3,272	3,268
MINN	7,689	7,037	8,529	8,914	8,465	5,838	4,055	5,512
NEBR	1,620	1,533	1,916	1,933	1,688	1,801	1,597	1,569
N Y	321	304	424	360	434	477	360	364
S DAK	143	128	155	130	138	159	170	146
TENN	318	283	426	357	445	435	343	461
UTAH	597	607	700	663	681	510	538	678
WIS	13,842	13,231	16,474	17,424	17,835	15,947	15,848	15,308
OTHER 2/	10,099	9,478	11,132	14,052	14,648	13,741	12,754	12,363
U S	41,853	38,626	46,506	50,734	52,324	46,405	43,504	43,711

TABLE 17--CREAM CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	342	477	735	477	653	633	602	642
N Y	2,853	3,698	6,028	3,311	3,297	4,442	2,389	4,613
PA	795	701	934	964	792	841	744	931
OTHER 2/	6,119	6,239	8,270	6,957	7,239	8,688	7,228	6,534
U S	10,109	11,105	15,967	11,709	11,981	14,604	10,963	12,720

SEE FOOTNOTES ON PAGE 23.

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976 PLANTS	1976 PRODUCTION	1977 PLANTS	1977 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	668	702	696	849	11	6,744	14	7,458
IDAHO	3,218	2,935	2,565	3,315	12	30,534	11	34,625
ILL	744	968	313	528	9	10,276	10	7,724
IOWA	2,457	2,411	2,195	2,985	8	40,122	7	35,278
MINN	4,637	6,917	7,146	8,267	6	89,090	4	83,006
NEBR	1,414	1,370	1,243	1,367	7	20,743	7	19,051
N Y	314	355	382	353	7	4,946	7	4,448
S DAK	1,175	1,620	336	361	5	1,738	5	4,661
TENN	418	321	240	413	3	4,207	3	4,460
UTAH	520	524	753	506	4	5,891	5	7,277
WIS	13,410	12,520	12,124	12,886	107	174,040	109	176,849
OTHER 2/	9,922	10,348	9,922	12,226	49	136,445	52	140,685
U S	38,897	40,991	37,915	44,056	228	524,776	234	525,522

TABLE 17--CREAM CHEESE
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976 PLANTS	1976 PRODUCTION	1977 PLANTS	1977 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	763	880	1,411	987	4	6,121	5	8,602
N Y 2/	5,913	4,880	5,747	6,235			4	53,396
PA	983	787	1,078	1,007	3	7,932	3	10,557
OTHER 2/	9,673	10,252	11,449	11,917	14	150,340	10	100,565
U S	17,332	16,799	19,685	20,146	21	164,393	22	173,120

1/ INCLUDES COLBY, WASHED CURD, STIRRED CURD, MONTEREY AND JACK. 2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 18--ITALIAN CHEESE, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	6,814	6,583	7,808	7,834	8,989	8,799	8,909	8,997
CONN	348	387	462	366	303	318	319	369
ILL	1,757	1,699	2,215	1,834	1,974	2,092	2,333	2,463
MASS	349	314	227	397	318	321	228	292
MINN	3,720	4,073	4,848	4,588	4,373	4,485	4,138	4,493
NEBR	2,089	1,857	2,360	2,440	3,046	2,463	2,486	2,487
N J	1,146	1,238	1,677	976	1,114	1,140	943	1,207
N Y	8,827	8,546	11,154	9,543	10,041	10,056	8,650	9,761
PA	2,230	2,403	3,333	3,289	3,255	2,739	2,692	3,081
VT	1,672	1,614	1,920	2,026	2,000	2,114	1,887	2,046
WASH	1,160	1,056	1,150	1,492	1,630	1,165	1,243	1,300
WIS	18,843	17,452	21,119	20,837	21,125	20,477	19,026	20,422
OTHER 1/	9,381	8,820	11,729	12,296	12,109	11,455	11,647	12,045
U S	58,336	56,041	70,002	67,918	70,277	67,624	64,501	68,963

TABLE 19--MOZZARELLA AND SIMILARS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	6,014	5,809	6,931	7,037	8,325	8,071	8,261	8,268
CONN	197	253	284	153	167	173	189	227
ILL	803	742	991	941	950	979	912	1,044
MASS	114	113	129	151	124	164	84	96
NEBR	1,882	1,681	2,123	2,179	2,850	2,324	2,327	2,287
N Y	5,877	5,340	6,086	6,038	6,771	6,878	6,217	6,631
PA	1,376	1,589	2,069	2,243	2,294	1,866	1,885	2,119
WIS	11,423	10,798	13,132	12,794	13,122	11,712	11,354	12,075
OTHER 1/	11,164	11,505	14,830	15,020	14,044	13,678	14,395	15,183
U S	38,850	37,830	46,575	46,556	48,647	45,845	45,624	47,930

SEE FOOTNOTES ON PAGE 25.

TABLE 18--ITALIAN CHEESE, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	8,305	8,445	8,375	8,984	12	91,008	11	98,842
CONN	426	421	406	467	8	4,485	8	4,592
ILL	2,036	2,053	2,144	2,296	8	22,380	9	24,896
MASS	315	394	381	431	7	4,557	7	3,967
MINN	4,108	4,539	4,658	4,366	6	51,554	6	52,389
NEBR	2,099	1,541	1,795	1,934	5	30,675	6	26,597
N J	1,312	1,511	1,542	1,686	8	16,843	7	15,492
N Y	10,030	9,875	9,839	10,908	25	108,381	26	117,229
PA	2,947	3,013	3,340	3,335	14	29,213	14	35,657
VT	2,006	1,978	2,037	2,087	5	19,172	6	23,387
WASH	1,252	1,263	1,327	1,332	4	14,182	3	15,370
WIS	20,153	21,032	20,569	22,414	59	240,031	54	243,469
OTHER 1/	10,253	10,429	9,869	11,569	31	114,924	29	131,602
U S	65,242	66,494	66,282	71,809	192	747,405	186	793,489

TABLE 19--MOZZARELLA AND SIMILARS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	7,554	7,699	7,531	8,094	11	82,542	8	89,594
CONN	261	244	221	263	7	2,708	7	2,632
ILL	987	995	986	935	7	10,684	8	11,265
MASS	103	164	123	147	5	1,746	5	1,512
NEBR	1,828	1,323	1,622	1,722	4	27,546	5	24,148
N Y	6,725	6,332	6,079	6,052	17	67,275	17	75,026
PA	1,936	2,133	2,265	2,069	11	17,236	11	23,844
WIS	12,141	12,752	12,928	13,698	42	148,360	39	147,929
OTHER 1/	14,319	14,827	14,043	15,077	45	147,079	43	168,085
U S	45,854	46,469	45,798	48,057	149	505,176	143	544,035

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 20--OTHER ITALIAN TYPES
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	800	774	877	797	664	728	648	729
CONN	151	134	178	213	136	145	130	142
ILL	954	957	1,224	893	1,024	1,113	1,421	1,419
MASS	235	201	98	246	194	157	144	196
NEBR	207	176	237	261	196	139	159	200
N Y	2,950	3,205	5,068	3,505	3,270	3,178	2,433	3,130
PA	854	814	1,264	1,046	961	873	807	962
WIS	7,420	6,654	7,987	8,043	8,003	8,765	7,672	8,347
OTHER 1/	5,915	5,296	6,494	6,358	7,182	6,681	5,463	5,908
U S	19,486	18,211	23,427	21,362	21,630	21,779	18,877	21,033

SEE FOOTNOTES ON PAGE 27.

TABLE 21--ITALIAN CHEESE PRODUCTION IN THE UNITED STATES, 1976 AND 1977
A. BY MAJOR TYPES 1/

TYPES	1975	1976	1977	1977 AS %
	1,000 POUNDS			OF 1976
PERCENT				
HARD:				
PROVOLONE AND SIMILARS	57,864	66,353	73,872	111
ROMANO AND SIMILARS	18,492	22,714	20,537	93
PARMESAN AND SIMILARS	47,702	54,309	53,175	98
OTHER HARD	6,559	7,634	6,975	91
TOTAL HARD	130,017	150,410	154,559	103
SOFT:				
MOZZARELLA AND SIMILARS	457,643	505,176	544,035	108
RICOTTA AND SIMILARS	81,275	88,567	89,680	101
OTHER SOFT	2,925	3,252	5,215	160
TOTAL SOFT	541,843	596,995	638,930	107
TOTAL HARD AND SOFT	671,860	747,405	793,489	106

B. BY REGIONS 2/

REGION	HARD TYPES		SOFT TYPES		TOTAL (HARD AND SOFT)	
	1976	1977	1976	1977	1976	1977
	1,000 POUNDS					
NORTH AND SOUTH ATLANTIC	3,298	4,930	182,416	198,459	185,714	203,389
EAST NORTH CENTRAL	108,588	108,050	176,229	177,669	284,817	285,719
WEST NORTH CENTRAL	35,162	33,069	110,677	118,919	145,839	151,988
SOUTH CENTRAL	2,840	5,631	15,512	20,917	18,352	26,548
WEST	522	2,879	112,161	122,966	112,683	125,845
U S	150,410	154,559	596,995	638,930	747,405	793,489

1/ 1975 REVISED DATA.

2/ 1975 UNCHANGED FROM THAT PREVIOUSLY PUBLISHED.

TABLE 20--OTHER ITALIAN TYPES
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	751	746	844	890	6	8,466	7	9,248
CONN	165	177	185	204	8	1,777	8	1,960
ILL	1,049	1,058	1,158	1,361	6	11,696	6	13,631
MASS	212	230	258	284	5	2,811	5	2,455
NEBR	271	218	173	212	3	3,129	3	2,449
N Y	3,305	3,543	3,760	4,856	21	41,106	22	42,203
PA	1,011	880	1,075	1,266	14	11,977	14	11,813
WIS	8,012	8,280	7,641	8,716	32	91,671	34	95,540
OTHER 1/	4,612	4,893	5,390	5,963	31	69,596	31	70,155
U S	19,388	20,025	20,484	23,752	126	242,229	130	249,454

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 22--CHEESE, PROCESSED, CHEESE FOODS, SPREADS, AND
COLD PACK: PRODUCTION, UNITED STATES, 1970-77 1/ 2/

YEAR	PROCESSED CHEESE		PROCESSED CHEESE		COLD PACK CHEESE		TOTAL	
	PLANTS	PRODUCTION	PLANTS	PRODUCTION	PLANTS	PRODUCTION	PLANTS	PRODUCTION
	NUMBER	1,000 LBS	NUMBER	1,000 LBS	NUMBER	1,000 LBS	NUMBER	1,000 LBS
1970	40	686,383	40	451,614			54	1,137,997
1971	41	750,772	37	479,553			52	1,230,325
1972	42	748,929	43	550,464			53	1,299,393
1973	31	707,874	32	538,139	19	30,696	50	1,276,709
1974	36	745,562	36	593,537	19	30,588	53	1,369,687
1975	38	726,767	36	682,895	22	39,535	54	1,449,197
1976	35	845,201	34	526,581	24	38,467	57	1,410,249
1977	35	812,734	31	672,645	27	40,991	59	1,526,370

1/ PROCESSED CHEESE IS MADE BY PASTEURIZING, EMULSIFYING, AND BLENDING NATURAL CHEESE AND CONTAINS NO OTHER INGREDIENTS. PROCESSED CHEESE FOODS, SPREADS, AND COLD PACK CONTAIN ADDITIONAL INGREDIENTS SUCH AS NONFAT MILK SOLIDS, AND CONDIMENTS, ETC.
2/ EXCLUDES SPREADS MADE FROM NEUFCHATEL AND CREAM CHEESE. 3/ PRIOR TO 1973, COLD PACK WAS INCLUDED IN PROCESSED CHEESE FOODS AND SPREADS.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	429	502	444	485	479	514	470	511
IDAHO	46	47	45	90	40	34	94	36
MASS 2/								
MINN	29	29	34	18	27	31	26	21
MISS	12	12	12	13	13	13	13	12
N Y 2/								
WIS	1,604	1,736	1,724	1,982	1,191	1,078	991	1,526
OTHER 2/	1,566	1,337	1,802	1,595	1,621	1,675	1,361	1,513
U S	3,685	3,663	4,061	4,183	3,371	3,345	2,955	3,619

TABLE 24--LOWFAT COTTAGE CHEESE 3/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
ALA	44	45	62	62	68	62	68	63
ARIZ 2/								
CALIF	3,600	3,345	3,769	3,627	3,900	3,609	3,399	3,749
COLO	325	359	441	416	412	439	393	401
IDAHO 2/								
ILL	111	112	141	124	132	128	121	113
IND	28	26	30	30	28	29	23	24
KANS	130	131	139	142	121	155	121	135
MAINE 2/								
MICH	94	92	116	119	106	124	99	94
N C	87	86	120	108	116	105	92	95
N DAK 4/	40	69	88	86	92	106	77	81
OHIO	853	883	1,189	1,114	1,007	1,085	903	1,063
OKLA	138	155	202	169	166	168	149	170
OREG	77	79	96	95	90	92	86	94
PA	1,094	1,034	1,323	1,245	1,409	1,391	1,295	1,455
TENN	47	37	71	56	53	56	66	52
TEX	355	340	475	416	420	419	342	396
WASH 2/								
WIS	351	325	424	437	443	359	373	372
OTHER 2/	3,570	3,593	4,400	3,939	3,669	4,066	3,664	3,874
U S	10,945	10,711	13,086	12,185	12,232	12,393	11,271	12,231

SEE FOOTNOTES ON PAGE 29.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	607	524	495	508	13	6,001	16	5,968
IDAHO	34	39	25	43	3	538	3	573
MASS 2/					4	1,315		
MINN 2/	19	23	34	35			7	325
MISS 2/	12	12	12	12			1	148
N Y 2/					6	7,477		
WIS	1,539	1,689	1,689	1,463	13	17,358	15	18,212
OTHER 2/	1,718	1,725	1,636	1,624	24	11,687	32	19,173
U S	3,929	4,012	3,891	3,685	63	44,376	74	44,399

TABLE 24--LOWFAT COTTAGE CHEESE 3/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ALA	72	62	62	68	3	678	3	738
ARIZ 2/					3	1,991		
CALIF	3,696	3,651	3,565	3,263	10	43,352	10	43,173
COLO	396	347	404	325	4	4,311	3	4,659
IDAHO 2/					4	865		
ILL	107	101	106	96	8	1,473	6	1,392
IND	30	24	27	21	6	382	5	320
KANS	144	134	142	116	6	1,514	6	1,610
MAINE 2/					4	170		
MICH	112	99	117	95	6	1,184	6	1,267
N C	97	78	97	66	4	1,354	4	1,147
N DAK 4/	80	69	84	72	1	832	1	944
OHIO	879	888	960	932	17	9,986	17	11,756
OKLA	161	160	136	113	7	1,831	6	1,687
OREG	85	86	93	87	6	1,058	7	1,061
PA	1,186	1,308	1,145	1,102	10	13,277	9	14,987
TENN	53	52	44	45	3	784	3	632
TEX	373	341	350	312	9	4,854	10	4,539
WASH 2/					10	6,656		
WIS	342	357	335	338	8	3,989	8	4,456
OTHER 2/	3,589	3,610	3,294	3,171	33	34,823	57	44,439
U S	11,403	11,367	10,961	10,222	162	135,364	161	139,007

1/ INCLUDES FULL-SKIM TYPE CHEESE BEGINNING 1974.

2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

3/ MILKFAT CONTENT LESS THAN 4.0 PERCENT.

4/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 25--CREAMED COTTAGE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
ALA	108	122	140	130	137	89	124	160
ARIZ	981	1,041	1,149	1,016	1,028	1,038	928	1,041
ARK	133	140	163	164	154	156	157	168
CALIF	8,688	8,099	8,893	8,609	9,132	9,153	8,994	9,054
COLO	1,022	1,006	1,153	1,082	1,096	1,117	1,094	1,076
GA	62	126	109	242	105	166	162	165
IDAHO	257	249	280	273	270	293	280	293
ILL	3,155	3,326	3,917	3,743	3,724	3,557	3,415	3,414
IND	2,772	2,721	3,149	2,789	3,007	2,887	2,771	2,726
IOWA	1,121	1,166	1,387	1,284	1,217	1,219	1,131	1,267
KANS	1,702	1,738	2,073	1,871	1,857	1,885	1,672	1,956
MAINE	1,628	1,509	1,803	1,810	1,906	1,728	1,860	1,616
MICH	4,331	4,532	5,170	4,576	4,784	4,674	4,813	4,875
MINN	1,300	1,329	1,552	1,431	1,350	1,449	1,349	1,398
MO	1,977	2,036	2,556	2,360	2,491	2,450	2,537	2,661
MONT	284	286	322	303	329	321	316	348
NEBR	841	847	1,044	948	990	938	883	984
N MEX	540	545	630	570	615	650	665	820
N Y	9,858	9,920	11,770	10,999	12,164	12,053	11,115	11,008
N C	467	414	539	544	514	549	512	485
N DAK 3/	136	197	242	231	226	234	214	232
OHIO	5,290	5,345	6,833	6,017	6,356	6,092	5,840	6,079
OKLA	651	675	850	735	724	756	696	774
OREG	1,236	1,297	1,485	1,457	1,420	1,300	1,276	1,436
PA	3,533	3,853	4,629	4,504	4,406	4,347	4,168	4,211
TENN	508	457	630	583	598	615	640	638
TEX	2,072	1,970	2,068	2,067	2,000	2,116	2,030	2,176
UTAH	615	588	771	645	651	670	634	657
VT	1,174	1,153	1,249	1,234	1,234	1,322	1,250	1,447
VA	425	433	545	489	475	482	437	494
WASH	2,543	2,366	2,741	2,701	2,761	2,775	2,481	2,807
W VA	226	258	325	277	184	245	269	259
WIS	4,401	4,640	5,627	5,361	5,639	5,474	5,241	5,458
OTHER 2/	4,387	4,509	5,728	4,652	4,867	4,547	4,351	5,027
U S	68,424	68,893	81,522	75,697	78,411	77,347	74,305	77,210

SEE FOOTNOTES ON PAGE 31.

TABLE 25--CREAMED COTTAGE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA	173	148	137	128	4	1,458	4	1,596
ARIZ	1,016	1,001	981	944	3	12,079	3	12,164
ARK	155	210	148	129	4	1,208	4	1,877
CALIF	8,584	8,581	8,042	7,643	14	106,939	14	103,472
COLO	1,026	1,038	1,045	915	9	12,536	7	12,670
GA	161	105	101	138	3	2,284	3	1,642
IDAHO	255	240	226	325	6	3,253	3	3,241
ILL	3,467	3,112	3,279	2,920	12	41,751	10	41,029
IND	2,618	2,497	2,447	2,306	13	36,670	13	32,690
IOWA	1,148	1,177	1,125	1,048	8	15,689	8	14,290
KANS	1,740	1,687	1,616	1,420	10	22,915	10	21,217
MAINE	1,559	1,456	1,447	1,258	6	17,904	6	19,580
MICH	4,910	4,388	4,632	4,193	15	55,774	14	55,878
MINN	1,321	1,372	1,397	1,210	5	16,311	4	16,458
MO	2,610	2,172	2,469	1,965	5	26,557	5	28,284
MONT	299	284	296	263	7	3,505	7	3,651
NEBR	949	963	951	865	9	10,496	9	11,203
N MEX	770	725	725	630	3	6,880	3	7,885
N Y	10,888	10,158	10,073	8,886	16	127,260	16	128,892
N C	454	447	435	365	6	4,812	6	5,725
N DAK 3/	238	212	238	212	1	2,372	2	2,612
OHIO	5,831	4,973	5,403	5,030	34	68,025	30	69,089
OKLA	788	731	692	626	10	9,003	9	8,698
OREG	1,295	1,260	1,277	1,159	13	15,060	13	15,898
PA	3,921	3,847	3,525	3,276	25	47,821	26	48,220
TENN	627	545	508	482	7	7,002	6	6,831
TEX	2,056	2,027	1,905	1,678	14	23,912	14	24,165
UTAH	622	614	606	585	5	7,896	5	7,658
VT	1,148	1,170	1,057	1,045	4	16,709	4	14,483
VA	469	471	469	380	7	5,499	6	5,569
WASH	2,381	2,263	2,277	2,179	16	30,189	16	30,275
W VA	252	263	235	199	5	3,104	5	2,992
WIS	5,597	5,227	5,259	5,065	11	56,696	11	62,988
OTHER 2/	4,304	4,107	4,456	3,789	26	55,036	22	54,724
U S	73,632	69,471	69,478	63,256	336	874,605	318	877,646

1/ MILKFAT CONTENT 4.0 PERCENT OR MORE. 2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

3/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 26--COTTAGE CHEESE, CURD 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
ALA	145	156	185	164	190	146	177	193
ARIZ	755	794	855	752	757	766	672	773
ARK	84	84	96	98	92	94	92	96
CALIF	8,820	8,087	9,207	8,841	9,247	9,141	8,908	9,171
COLO	852	866	982	908	927	953	904	934
CONN	432	416	522	478	490	409	441	396
GA	44	114	152	199	105	149	137	141
IDAHO	194	185	194	205	200	218	202	210
ILL	2,254	2,319	2,853	2,680	2,652	2,412	2,465	2,472
IND	1,669	1,757	1,894	1,859	1,846	1,750	1,699	1,659
IOWA	750	789	942	864	819	823	760	851
KANS	1,123	1,143	1,400	1,247	1,186	1,267	1,120	1,289
MAINE	1,215	1,145	1,366	1,372	1,445	1,311	1,414	1,225
MICH	2,700	2,793	3,322	3,042	2,985	3,093	2,829	3,001
MINN	870	887	1,044	952	892	955	874	898
MO	1,328	1,359	1,655	1,558	1,513	1,608	1,604	1,680
MONT	177	178	203	190	207	207	194	220
NEBR	538	515	647	586	612	557	538	599
N. MEX	350	345	395	360	405	430	415	525
N. Y.	9,547	9,507	11,337	10,475	10,717	11,146	9,960	10,296
N. C.	360	313	419	417	392	368	369	359
N. DAK. 3/	113	164	204	197	195	207	172	184
OHIO	3,897	3,944	5,138	4,561	4,644	4,614	4,301	4,724
OKLA	533	520	659	561	538	554	510	564
OREG	764	820	940	918	909	828	815	915
PA	2,884	3,049	3,757	3,609	3,780	3,677	3,533	3,646
TENN	321	297	443	397	403	404	420	402
TEX	1,566	1,533	1,787	1,613	1,604	1,552	1,429	1,518
UTAH	474	454	602	494	518	540	470	522
VT	1,297	1,264	1,389	1,358	1,386	1,430	1,383	1,530
VA	420	425	540	471	463	462	420	467
WASH	1,894	1,819	2,070	1,979	1,996	2,063	1,780	1,952
W. VA	143	162	208	172	122	158	170	165
WIS	3,075	3,257	3,989	3,713	3,753	3,593	3,452	3,666
OTHER 2/	3,498	3,923	4,569	4,023	4,188	4,324	3,683	4,215
U S	55,086	55,383	65,965	61,313	62,178	62,209	59,312	61,458

SEE FOOTNOTES ON PAGE 33.

TABLE 26--COTTAGE CHEESE CURD 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA	189	184	170	166	5	1,985	5	2,065
ARIZ	750	735	711	690	3	9,166	3	9,010
ARK	90	90	83	74	4	734	4	1,073
CALIF	8,816	8,744	8,172	7,684	13	106,597	13	104,838
COLO	881	863	927	788	9	10,835	7	10,785
CONN	414	445	354	328	4	5,450	4	5,125
GA	133	125	117	116	3	1,971	3	1,532
IDAHO	194	198	165	170	5	2,543	3	2,335
ILL	2,522	2,291	2,394	2,135	12	34,821	11	29,449
IND	1,602	1,529	1,514	1,410	13	22,687	13	20,188
IOWA	775	788	760	735	7	9,707	7	9,656
KANS	1,184	1,136	1,104	994	10	14,396	11	14,193
MAINE	1,264	1,106	1,094	953	9	13,595	9	14,910
MICH	3,028	2,735	2,897	2,629	15	34,398	14	35,054
MINN	855	879	879	789	5	10,913	4	10,774
MO	1,721	1,471	1,564	1,212	6	17,538	6	18,273
MONT	186	178	186	166	7	2,206	7	2,292
NEBR	575	579	565	520	9	6,534	9	6,831
N MEX	480	450	475	395	3	4,305	3	5,025
N Y	10,093	9,590	9,268	8,400	18	125,274	18	120,336
N C	343	353	361	306	6	4,370	6	4,360
N DAK 3/	194	178	209	184	1	1,953	2	2,201
OHIO	4,374	3,872	4,026	3,764	32	49,588	29	51,859
OKLA	579	556	511	452	10	6,638	9	6,537
OREG	801	769	805	740	12	9,366	12	10,024
PA	3,328	3,325	3,057	2,821	26	40,541	25	40,466
TENN	407	353	336	275	7	4,787	6	4,468
TEX	1,404	1,382	1,368	1,208	14	18,127	14	17,964
UTAH	484	468	476	458	5	6,158	5	5,960
VT	1,323	1,335	1,164	1,252	5	17,840	5	16,111
VA	445	412	448	363	7	5,460	6	5,336
WASH	1,844	1,741	1,805	1,791	13	22,025	14	22,734
W VA	159	162	154	127	3	1,922	3	1,902
WIS	3,636	3,464	3,438	3,320	13	38,928	13	42,356
OTHER 2/	3,869	3,889	3,960	3,380	24	47,783	22	47,521
U S	58,942	56,375	55,517	50,795	338	711,141	325	703,533

1/ MOSTLY USED FOR PROCESSING INTO FULLY CREAMED OR LOWFAT COTTAGE CHEESE, COTTAGE CHEESE CURD AND CREAMED AND LOWFAT COTTAGE CHEESE SHOULD NOT BE ADDED TOGETHER TO OBTAIN TOTAL PRODUCTION. 2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

3/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 27--CONDENSED MILK, BULK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
<u>SWEETENED CONDENSED</u>								
WHOLE MILK								
OKLA	1	0	0	4	1	1	0	10
WIS	5,568	5,345	6,470	4,799	4,804	5,054	3,225	5,753
OTHER 1/	1,579	1,402	2,130	2,286	2,770	1,506	838	1,304
U S	7,148	6,747	8,600	7,089	7,575	6,561	4,063	7,067
<u>SWEETENED CONDENSED</u>								
SKIM MILK								
WIS	2,482	2,496	3,153	2,693	2,677	2,619	1,626	2,749
OTHER 1/	2,421	1,703	2,379	1,710	3,624	4,395	3,242	4,715
U S	4,903	4,199	5,532	4,403	6,301	7,014	4,868	7,464
<u>UNSWEETENED CONDENSED</u>								
WHOLE MILK								
MISS	555	652	1,079	1,080	1,035	1,134	1,002	880
N Y	2,534	1,806	3,488	2,294	3,256	3,256	3,825	4,303
PA	2,614	2,202	3,412	3,593	2,874	2,688	2,520	2,793
TENN	77	57	74	71	50	1	1	1
WIS	3,315	3,094	3,387	3,203	3,419	3,168	1,600	2,960
OTHER 1/	3,088	2,918	3,831	3,641	3,651	3,494	3,535	4,104
U S	12,184	10,739	15,271	13,882	14,285	13,741	12,483	15,041
<u>UNSWEETENED CONDENSED</u>								
SKIM MILK								
CALIF	9,792	8,328	11,012	11,642	11,067	12,452	12,144	12,014
ILL 1/								
IND 1/								
MICH	10,962	9,477	11,091	12,956	13,802	15,935	15,749	18,156
N Y	6,548	5,953	7,962	7,312	10,430	12,728	7,637	8,174
OHIO	1,288	1,467	2,116	2,466	2,523	2,920	2,671	2,686
OKLA	15	124	162	240	211	185	204	236
PA	3,697	2,920	3,885	4,446	5,145	4,702	5,272	5,463
TENN	1,101	1,129	1,417	1,494	1,124	1,161	1,179	1,225
WASH 1/								
WIS	8,863	11,620	11,440	12,018	11,362	13,071	11,657	11,862
OTHER 1/	13,762	14,270	18,423	16,998	18,706	18,291	18,723	18,589
U S	56,028	55,288	67,508	69,572	74,370	81,445	75,236	78,405

SEE FOOTNOTES ON PAGE 35.

TABLE 27--CONDENSED MILK, BULK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL				
	SEP	OCT	NOV	DEC	1976		1977		
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION	
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS		
<u>SWEETENED CONDENSED</u>									
<u>WHOLE MILK</u>									
OKLA 1/2/	0	0	0	9			1	26	
WIS	5,892	5,364	3,795	2,286	5	69,456	6	58,355	
OTHER 1/	1,439	1,839	1,439	1,328	9	19,751	5	19,859	
U S	7,330	7,203	5,234	3,623	14	89,207	12	78,240	
<u>SWEETENED CONDENSED</u>									
<u>SKIM MILK</u>									
WIS	3,394	2,632	2,215	1,959	6	29,654	4	30,695	
OTHER 1/	3,718	1,063	1,582	2,491	6	22,285	6	33,043	
U S	7,112	3,695	3,797	4,450	12	51,939	10	63,738	
<u>UNSWEETENED CONDENSED</u>									
<u>WHOLE MILK</u>									
MISS 1/2/	582	523	354	628			1	9,504	
N Y	3,214	3,136	4,305	2,815	10	48,079	10	38,232	
PA	2,497	3,729	2,394	2,213	6	37,318	5	33,529	
TENN	0	0	0	0	3	875	3	342	
WIS	2,399	1,897	2,087	1,292	4	41,916	3	31,822	
OTHER 1/	2,949	2,636	2,234	1,941	18	53,233	13	38,022	
U S	11,641	11,921	11,374	8,889	41	181,421	35	151,451	
<u>UNSWEETENED CONDENSED</u>									
<u>SKIM MILK</u>									
CALIF	10,573	10,348	10,199	12,512	15	128,402	19	132,083	
ILL 1/					3	3,755			
IND 1/					4	41,986			
MICH	12,907	11,261	9,807	8,837	5	82,560	5	150,940	
N Y	7,755	5,453	4,776	4,393	13	93,663	13	89,131	
OHIO	2,679	3,960	3,059	3,962	6	15,044	8	31,797	
OKLA 1/	124	55	17	30			3	1,603	
PA	4,250	3,882	3,848	4,038	7	50,141	6	51,548	
TENN 1/	1,224	1,279	1,383	1,321			3	15,037	
WASH 1/					5	8,780			
WIS	8,865	8,459	8,837	8,795	15	120,323	15	126,859	
OTHER 1/	17,368	15,887	13,292	13,910	33	176,334	34	198,219	
U S	65,745	60,604	55,218	57,798	106	720,988	106	797,217	

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 2/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 28--EVAPORATED AND CONDENSED WHOLE MILK, CASEI GOODS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF 1/								
OHIO	12,479	12,258	11,857	13,643	15,478	15,552	11,288	11,360
PA 1/								
OTHER 1/	49,318	51,659	60,208	68,582	71,108	66,340	66,606	62,068
U S	61,797	63,917	72,065	82,225	86,586	81,892	77,894	73,428

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
SWEET-TYPE, HUMAN								
MINN	2,009	2,156	2,936	2,417	1,632	1,788	1,485	1,225
WIS	2,519	2,553	2,871	2,862	3,068	3,037	2,718	2,845
OTHER 1/	4,311	3,703	4,734	4,404	6,755	5,548	5,541	5,705
U S	8,839	8,412	10,541	9,683	11,455	10,373	9,744	9,775
:								
:								
:								
TOTAL CONDENSED 3/								
TLL	1,687	1,679	1,857	827	3,437	2,321	2,312	2,168
MINN	2,009	2,156	2,936	2,536	2,101	1,788	1,485	1,265
MO	380	46	634	589	393	302	547	552
WIS	2,519	2,553	2,871	3,041	3,068	3,037	2,718	3,670
OTHER 1/	4,270	3,872	4,581	5,350	5,679	5,336	5,496	5,613
U S	10,865	10,306	12,879	12,343	14,678	12,784	12,558	13,268

SEE FOOTNOTES ON PAGE 37.

TABLE 28--EVAPORATED AND CONDENSED WHOLE MILK, CASE GOODS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF 1/ :					3	130,374		
OHIO :	8,608	7,508	6,882	9,746	4	154,357	4	136,659
PA 1/ :					3	99,094		
OTHER 1/ :	51,088	45,978	40,254	49,059	17	548,298	20	682,268
U S :	59,696	53,486	47,136	58,805	27	932,123	24	818,927

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
SWEET-TYPE, HUMAN								
MINN 1/ :	1,140	1,549	1,782	1,870			6	21,989
WIS :	2,823	2,858	1,951	3,450	8	27,428	10	33,555
OTHER 1/ :	4,897	4,789	4,279	5,143	22	84,043	11	59,809
U S :	8,860	9,196	8,012	10,463	30	111,471	27	115,353

TOTAL CONDENSED 3/

ILL :	1,737	1,374	1,311	1,795	6	21,530	4	22,505
MINN :	1,140	1,549	1,782	1,870	6	17,408	6	22,617
MO :	621	516	438	492	3	11,739	3	5,510
WIS :	2,823	2,858	2,273	3,450	11	29,822	10	34,881
OTHER 1/ :	4,790	5,172	4,673	5,148	17	65,977	13	59,980
U S :	11,111	11,469	10,477	12,755	43	146,476	36	145,493

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 2/ FINAL MARKETABLE PRODUCT ONLY. DOES NOT INCLUDE QUANTITY USED OR SHIPPED TO ANOTHER PLANT FOR FURTHER PROCESSING INTO DRY WHEY OR MODIFIED WHEY PRODUCTS. 3/ INCLUDES PRODUCT FOR HUMAN CONSUMPTION AND ANIMAL FEED MADE FROM ACID-TYPE AND SWEET-TYPE WHEY.

TABLE 30--NONFAT DRY MILK FOR HUMAN FOOD
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	10,569	11,593	13,315	16,562	17,672	18,550	19,683	17,253
IDAHO	441	240	470	773	1,006	1,919	2,483	1,734
IOWA	8,516	7,796	9,205	9,597	10,970	10,469	9,915	8,742
MICH	3,081	3,385	3,936	4,791	4,645	4,957	4,439	5,345
MINN	16,413	16,150	19,861	21,194	22,410	22,842	28,570	22,455
NEBR 1/								
N Y	2,434	3,394	3,310	5,621	7,324	8,446	6,330	3,831
N DAK 2/	535	512	424	566	655	854	695	470
OHIO	1,903	2,406	3,122	3,801	5,085	4,825	4,511	3,759
OKLA 2/	136	426	1,444	1,722	1,811	1,666	1,341	853
PA	615	466	600	2,162	2,280	6,474	2,266	2,302
S DAK	3,384	3,368	3,736	4,204	4,865	4,947	4,260	5,691
TENN	458	870	1,278	1,384	2,339	2,788	2,238	998
WASH 1/								
WIS	9,540	9,734	12,097	13,700	15,571	16,495	15,567	13,290
OTHER 1/	12,234	11,323	15,172	19,814	23,196	24,992	20,938	19,247
U S	70,259	71,663	87,970	105,891	119,829	130,224	123,236	105,970

TABLE 31--DRY SKIM FOR ANIMAL FEED
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
CALIF	58	68	77	91	113	116	139	135
IDAHO	7	3	1	2	7	7	15	19
IOWA 1/								
MICH 1/								
MINN	22	32	58	43	37	86	161	34
NEBR	1	1	0	6	33	8	3	0
N DAK 2/	3	4	3	3	3	7	5	4
OKLA 2/	9	10	52	59	64	76	98	64
PA	3	1	3	5	8	12	7	6
S DAK	3	3	3	2	2	3	14	14
WASH 1/								
WIS	36	50	47	66	59	62	74	37
OTHER 1/	377	311	420	465	439	631	360	256
U S	519	483	664	742	765	1,008	876	569

SEE FOOTNOTES ON PAGE 39.

TABLE 30--NONFAT DRY MILK FOR HUMAN FOOD
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	14,203	14,206	12,279	13,980	12	161,196	14	179,865
IDAHO	1,345	765	709	726	3	6,536	3	12,611
IOWA	6,912	6,556	6,545	6,624	9	82,155	8	101,847
MICH	4,443	3,694	3,246	3,312	4	41,985	4	49,274
MINN	14,946	13,031	13,802	16,902	22	186,872	23	228,576
NEBR 1/					4	14,028		
N Y	3,184	2,281	1,970	3,919	13	32,466	13	52,044
N DAK 2/	306	296	354	500	1	8,264	1	6,167
OHIO	1,679	1,937	1,853	2,533	6	37,701	6	37,413
OKLA 1/2/	15	47	154	732			2	10,348
PA	1,579	1,482	1,312	1,562	8	9,731	7	23,100
S DAK	3,125	2,530	2,315	2,841	5	43,367	5	45,266
TENN	0	130	202	886	4	20,221	4	13,571
WASH 1/					4	40,080		
WIS	9,781	8,487	8,249	8,062	17	105,994	13	140,573
OTHER 1/	16,040	14,843	12,142	15,375	26	135,587	31	205,316
U S	77,558	70,285	65,132	77,954	138	926,183	134	1,105,971

TABLE 31--DRY SKIM FOR ANIMAL FEED
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	115	116	75	84	8	1,105	9	1,187
IDAHO	9	9	7	7	3	51	3	93
IOWA 1/					6	229		
MICH 1/					4	503		
MINN	151	52	58	44	19	609	16	778
NEBR	1	2	1	16	3	37	4	72
N DAK 2/	4	3	3	5	1	46	1	47
OKLA 1/2/	7	3	2	13			2	457
PA	3	9	8	4	3	92	3	69
S DAK	5	3	6	15	5	200	4	73
WASH 1/					4	774		
WIS	35	47	43	34	12	550	7	590
OTHER 1/	233	578	234	214	32	1,719	42	4,518
U S	563	822	437	436	100	5,915	91	7,884

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 2/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 32--DRY MILK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
DRY WHOLE MILK								
MICH 1/								
MINN	1,805	1,894	2,127	2,027	2,191	2,140	1,363	2,156
WIS 1/								
OTHER 1/	4,479	4,344	5,518	4,296	5,330	4,167	2,959	4,373
U S	6,284	6,238	7,645	6,323	7,521	6,307	4,322	6,529
DRY BUTTERMILK								
CALIF	197	225	116	68	111	71	16	46
IOWA	290	329	379	310	319	325	172	158
MICH 1/								
MINN	1,275	1,094	1,334	1,382	1,398	1,262	1,240	1,209
N DAK 3/	35	40	32	40	40	51	38	36
OKLA	262	199	213	221	104	69	87	70
PA	6	0	7	58	63	107	50	37
WIS	1,983	1,740	1,654	1,654	2,008	1,624	1,344	1,319
OTHER 1/	1,280	1,066	1,080	1,175	1,173	926	806	744
U S	5,328	4,693	4,815	4,908	5,216	4,435	3,753	3,619

TABLE 33--LACTOSE-MILK SUGAR
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
FOR HUMAN FOOD								
MINN	2,085	2,154	2,330	2,206	2,148	2,002	2,292	1,823
WIS	4,573	4,599	4,810	4,089	4,560	4,460	3,642	4,381
OTHER 1/	1,735	1,929	2,455	2,138	2,345	2,424	2,347	2,047
U S	8,393	8,682	9,595	8,433	9,053	8,886	8,281	8,251
TOTAL LACTOSE 2/								
MINN	2,085	2,154	2,330	2,206	2,148	2,002	2,292	1,823
WIS	4,608	4,665	4,935	4,210	4,738	4,833	3,782	4,481
OTHER 1/	2,160	2,338	2,832	2,567	2,761	2,911	2,850	2,326
U S	8,853	9,157	10,097	8,983	9,647	9,746	8,924	8,630

SEE FOOTNOTES ON PAGE 41.

TABLE 32--DRY MILK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
DRY WHOLE MILK								
MICH 1/					3	3,398		
MINN	1,927	2,078	1,794	1,910	5	24,628	3	23,412
WIS 1/					4	355		
OTHER 1/	2,773	2,268	2,455	3,005	13	49,707	12	45,967
U S	4,700	4,346	4,249	4,915	25	78,088	15	69,379
DRY BUTTERMILK								
CALIF	134	155	170	147	3	1,309	3	1,456
IOWA	136	202	245	342	6	2,400	6	3,207
MICH 1/					5	2,033		
MINN	999	919	923	1,225	9	11,687	7	14,260
N DAK 3/	30	29	29	40	1	490	1	440
OKLA 1/	39	76	81	204			3	1,625
PA	17	14	37	36	5	313	3	432
WIS	1,187	1,497	1,551	1,899	11	16,111	9	19,460
OTHER 1/	868	1,193	1,002	1,038	31	11,936	34	12,351
U S	3,410	4,085	4,038	4,931	71	46,279	66	53,231

TABLE 33--LACTOSE-MILK SUGAR
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANN			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
FOR HUMAN FOOD								
MINN	1,818	1,710	1,690	2,049			4	24,307
WIS	5,476	3,895	3,851	3,818	7	52,440	7	52,154
OTHER 1/	2,133	2,075	2,305	2,447	15	47,818	8	26,380
U S	9,427	7,680	7,846	8,314	22	100,258	19	102,841
TOTAL LACTOSE 2/								
MINN	1,818	1,710	1,690	2,049	5	25,010	4	24,307
WIS	5,629	3,993	3,895	4,057	8	54,394	8	53,826
OTHER 1/	2,407	2,288	2,627	2,615	11	26,380	10	30,682
U S	9,854	7,991	8,212	8,721	24	105,784	22	108,815

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

2/ INCLUDES PRODUCT MADE FOR BOTH HUMAN FOOD AND ANIMAL FEED.

3/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 34--DRY WHEY
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 POUNDS								
HUMAN FOOD								
IOWA	3,830	3,330	3,972	3,955	4,317	3,780	3,559	3,110
MINN	13,398	10,891	11,669	12,003	12,276	12,380	8,612	8,936
OKLA 2/	66	58	31	0	0	0	0	0
UTAH	1,252	1,284	1,489	1,531	1,868	1,570	1,798	1,549
WIS	13,811	11,079	12,943	14,454	14,572	14,154	12,792	12,020
OTHER 1/	11,040	9,747	10,864	11,145	9,956	10,415	10,913	10,722
U S	43,397	36,389	40,968	43,088	42,989	42,299	37,774	36,337
ANIMAL FEED								
IOWA	1,357	1,413	1,609	1,587	1,666	1,479	1,312	1,228
MINN	494	2,170	3,431	2,854	2,827	2,323	864	480
MO 1/								
OKLA 2/	7	3	6	0	0	0	0	0
UTAH	133	250	499	437	253	293	216	189
WIS	3,261	3,697	4,550	3,565	3,854	3,588	2,741	3,196
OTHER 1/	4,896	5,191	7,391	7,875	9,786	9,920	6,116	4,781
U S	10,148	12,724	17,486	16,318	18,386	17,603	11,249	9,874
TOTAL DRY WHEY								
ILL	1,043	980	1,224	1,409	1,108	1,067	640	752
IOWA	5,187	4,743	5,581	5,542	5,983	5,259	4,971	4,338
KANS 1/								
MINN	13,892	13,061	15,100	14,857	15,103	14,703	9,476	9,416
MO	1,024	1,092	993	647	1,063	2,387	929	764
NEBR	256	212	340	472	333	144	102	58
N Y	3,576	3,403	4,196	4,040	4,011	3,951	3,078	2,928
N DAK	1,168	1,269	1,086	895	434	734	665	637
OKLA	73	61	37	0	0	0	0	0
TENN	1,261	1,091	1,581	1,693	1,826	1,742	1,593	1,387
UTAH	1,385	1,534	1,988	1,968	2,121	1,863	2,014	1,738
WIS	17,072	14,776	17,493	18,019	18,426	17,742	15,533	15,216
OTHER 1/	7,608	6,871	8,835	9,864	10,967	10,310	10,022	8,977
U S	53,545	49,113	58,454	59,406	61,375	59,902	49,023	46,211

SEE FOOTNOTES ON PAGE 43.

TABLE 34--DRY WHEY
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
HUMAN FOOD								
IOWA	3,403	3,114	2,878	3,578	4	41,607	7	42,926
MINN	8,938	11,127	10,941	13,718	15	132,227	15	134,889
OKLA 1/2/	0	54	0	0			2	209
UTAH	1,722	1,706	1,875	2,046	4	16,467	4	19,690
WIS	11,307	10,992	9,788	11,886	21	158,735	18	149,798
OTHER 1/	9,970	9,197	9,283	11,748	24	131,082	22	125,000
U S	35,340	36,190	34,765	42,976	68	480,118	68	472,512
ANIMAL FEED								
IOWA	1,104	1,045	1,020	1,281	7	18,772	8	16,101
MINN	465	357	387	492	12	19,282	10	17,144
MO 1/					6	16,433		
OKLA 1/2/	0	6	0	0			2	22
UTAH	146	79	84	109	4	2,308	4	2,688
WIS	2,986	2,833	2,985	3,464	24	40,809	21	40,720
OTHER 1/	5,454	5,017	4,486	5,149	55	84,039	51	76,062
U S	10,155	9,337	8,962	10,495	108	181,643	96	152,737
TOTAL DRY WHEY								
ILL	921	518	485	862	7	24,722	6	11,009
IOWA	4,507	4,159	3,898	4,859	8	60,379	10	59,027
KANS 1/					6	12,802		
MINN	9,403	11,484	11,328	14,210	20	151,509	18	152,033
MO	1,321	1,080	1,177	1,281	6	16,433	7	13,758
NEBR	93	189	327	524	11	8,661	6	3,050
N Y	3,417	2,911	3,013	3,204	6	47,899	6	41,728
N DAK	682	498	488	628	3	13,206	3	9,204
OKLA 1/2/	0	60	0	0			2	231
TENN	716	706	801	1,457	3	10,426	3	15,854
UTAH	1,868	1,785	1,959	2,155	4	18,775	4	22,378
WIS	14,293	13,825	12,773	15,350	34	199,544	28	190,518
OTHER 1/	8,274	8,312	7,478	8,941	22	97,405	22	106,459
U S	45,495	45,527	43,727	53,471	130	661,761	115	625,249

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 2/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 35--ICE CREAM, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
	1,000 GALLONS							
ALA	849	895	1,193	1,160	1,144	1,336	1,258	1,162
ARIZ	479	613	708	556	650	739	570	644
ARK	283	293	407	405	410	560	461	500
CALIF	5,908	5,946	7,800	7,308	7,066	8,216	8,061	8,755
COLO	592	641	827	680	686	924	784	881
CONN	821	945	1,155	1,252	1,439	1,585	1,632	2,164
FLA	1,849	2,066	3,066	2,673	2,413	2,920	2,730	2,715
GA	424	441	662	530	586	633	635	585
IDAHO	226	261	267	282	292	306	335	337
ILL	2,920	3,272	4,077	3,461	3,472	4,547	3,811	3,860
IND	1,617	1,856	2,719	2,403	2,301	2,786	2,482	2,929
IOWA	636	713	949	782	908	1,013	972	1,036
KANS	437	484	697	592	534	809	739	845
KY	223	305	464	485	512	570	596	620
LA	761	744	964	862	972	1,191	1,030	997
MAINE	354	350	438	477	538	486	553	795
MD 2/	1,143	1,145	1,726	1,693	1,672	2,060	1,888	1,907
MASS	2,846	3,378	4,004	3,840	4,094	4,556	4,075	4,807
MICH	2,076	2,311	3,002	2,773	3,099	3,468	3,720	3,670
MINN	1,968	2,033	2,696	2,177	2,666	2,963	2,942	2,870
MISS	313	335	462	452	478	622	475	497
MO	1,129	1,270	1,664	1,521	1,569	2,016	1,951	1,945
MONT	70	80	164	135	136	191	166	187
NEBR	675	709	852	802	899	976	1,009	1,011
NEV	82	88	113	94	107	117	117	142
N H	41	52	86	80	106	123	157	146
N J	853	820	1,038	1,032	1,175	1,219	1,315	1,189
N Y	3,435	3,466	5,546	5,086	5,757	7,094	6,028	6,283
N C	1,566	1,813	2,393	2,486	2,434	2,661	2,624	2,773
N DAK	165	193	215	204	240	269	267	254
OHIO	3,243	3,730	4,582	3,814	3,785	4,675	4,531	5,043
OKLA	507	584	701	686	754	976	910	898
OREG	533	508	631	619	650	736	776	851
PA	4,121	4,501	5,778	5,856	6,003	7,051	6,773	6,795
R I	96	90	130	104	136	163	172	165
S C	665	737	878	1,016	1,048	1,097	1,184	1,076
S DAK	7	8	12	11	11	11	11	13
TENN	1,139	1,197	1,558	1,659	1,654	1,847	1,898	1,931
TEX	2,362	2,568	3,315	2,940	3,268	3,934	3,523	3,719
UTAH	440	475	615	549	532	674	623	702
VT	7	10	10	14	17	21	19	24
VA	499	504	748	749	743	732	760	832
WASH	1,008	1,347	1,497	1,289	1,487	1,732	1,597	1,773
W VA	133	180	215	213	223	251	291	283
WIS	1,023	1,146	1,581	1,460	1,553	1,927	1,792	1,857
OTHER 1/	404	438	535	489	523	541	524	613
U S	50,928	55,510	73,140	67,751	70,742	83,324	78,767	83,081

SEE FOOTNOTES ON PAGE 45.

TABLE 35--ICE CREAM, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL	
	SEP	OCT	NOV	DEC	1976 PRODUCTION	1977 PRODUCTION
1,000 GALLONS						
ALA	1,070	917	791	704	12,948	12,479
ARIZ	654	555	503	517	7,157	7,188
ARK	460	331	278	241	4,667	4,619
CALIF	7,509	6,557	6,539	5,706	86,800	85,370
COLO	781	665	656	537	8,164	8,654
CONN	1,017	790	1,246	1,085	16,224	15,131
FLA	2,671	2,301	2,083	2,361	27,729	29,848
GA	450	449	373	418	6,998	6,186
IDAHO	244	233	238	213	3,208	3,234
ILL	3,735	2,991	2,988	2,870	45,390	42,004
IND	2,453	1,809	1,792	1,890	27,049	27,037
IOWA	864	715	753	733	11,263	10,074
KANS	666	538	556	428	7,583	7,325
KY	441	380	385	294	4,599	5,275
LA	1,026	824	657	676	10,644	10,704
MAINE	395	327	313	355	5,942	5,381
MD 2/	1,714	1,380	1,079	1,205	18,816	18,612
MASS	4,194	3,339	3,262	2,860	46,320	45,255
MICH	2,916	2,648	2,547	2,462	34,372	34,692
MINN	2,511	2,103	2,283	1,926	29,528	29,138
MISS	451	370	299	271	4,942	5,025
MO	1,705	1,195	1,204	1,087	18,631	18,256
MONT	134	109	112	91	1,684	1,575
NEBR	858	782	875	624	8,895	10,072
NEV	107	92	81	83	1,150	1,223
N H	81	60	60	55	1,048	1,047
N J	925	825	701	560	14,048	11,652
N Y	5,254	4,172	3,617	3,804	63,052	59,542
N C	2,543	2,016	1,633	1,520	27,966	26,462
N DAK	211	188	188	184	2,843	2,568
OHIO	4,462	3,693	3,431	3,314	48,574	48,303
OKLA	762	765	549	400	8,069	8,492
OREG	613	474	521	474	7,235	7,386
PA	6,423	5,215	4,970	4,852	70,721	68,338
R I	135	96	105	82	1,537	1,474
S C	1,011	854	828	779	10,253	11,173
S OAK	11	11	10	8	128	124
TENN	1,589	1,350	1,218	978	17,441	18,008
TEX	3,382	2,977	2,484	2,233	35,542	36,705
UTAH	590	511	495	475	6,708	6,681
VT	12	9	7	8	151	158
VA	787	638	612	552	8,428	8,156
WASH	1,454	1,306	1,149	1,471	16,725	17,110
W VA	236	190	205	174	2,659	2,584
WIS	1,591	1,408	1,180	1,324	18,253	17,842
OTHER 1/	552	481	450	420	6,157	5,970
U S	71,650	59,629	56,306	53,304	818,241	804,132

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 2/ INCLUDES DISTRICT OF COLUMBIA.

TABLE 36--ICE CREAM, HARD
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
	1,000 GALLONS							
ALA	849	895	1,193	1,160	1,144	1,336	1,258	1,162
ARIZ	434	555	656	517	592	656	518	592
ARK	263	268	345	343	353	503	415	428
CALIF	5,908	5,945	7,800	7,308	7,066	8,216	8,061	8,755
COLO	592	641	827	680	686	924	784	881
CONN	821	945	1,155	1,252	1,439	1,585	1,632	2,164
FLA	1,818	1,972	2,956	2,547	2,256	2,747	2,542	2,527
GA	419	436	653	516	578	623	625	576
IDAHO	226	261	267	282	292	306	335	337
ILL	2,890	3,238	4,043	3,422	3,429	4,500	3,772	3,822
IND	1,596	1,827	2,690	2,367	2,258	2,714	2,367	2,814
IOWA	628	703	936	767	889	991	953	1,021
KANS	437	484	697	592	534	809	739	845
KY	223	305	464	485	512	570	596	620
LA	761	744	964	862	972	1,191	1,030	997
MAINE	354	350	438	477	538	486	553	795
MD 2/	1,108	1,110	1,691	1,651	1,609	1,946	1,789	1,808
MASS	2,813	3,332	3,958	3,794	4,022	4,454	3,983	4,715
MICH	2,026	2,200	2,853	2,612	3,000	3,344	3,559	3,521
MINN	1,650	1,768	2,219	1,700	2,135	2,432	2,411	2,287
MISS	313	335	462	452	478	622	475	497
MO	1,117	1,254	1,647	1,499	1,539	1,969	1,884	1,881
MONT	69	79	163	134	134	188	163	184
NEBR 1/								
NEV	77	82	107	89	99	108	108	131
N H	41	52	86	80	106	123	157	146
N J	749	664	778	798	810	906	950	850
N Y	3,242	3,273	5,160	4,314	4,502	5,550	4,290	4,642
N C	1,566	1,813	2,393	2,486	2,434	2,661	2,624	2,773
N DAK	165	183	215	204	240	269	267	254
OHIO	3,241	3,726	4,576	3,802	3,769	4,656	4,508	5,025
OKLA	491	564	675	657	722	934	871	859
OREG	529	504	626	612	640	723	766	842
PA	4,054	4,401	5,577	5,588	5,534	6,582	6,171	6,259
R I	96	90	130	104	136	163	172	165
S C	665	737	878	1,016	1,048	1,097	1,184	1,076
S DAK	7	7	10	9	9	9	9	11
TENN	1,128	1,176	1,535	1,636	1,612	1,797	1,844	1,877
TEX	2,361	2,565	3,312	2,937	3,264	3,930	3,518	3,716
UTAH	440	475	615	549	532	674	623	702
VT	7	10	10	13	16	20	18	23
VA	494	499	740	737	727	701	735	807
WASH	976	1,315	1,461	1,253	1,446	1,691	1,556	1,732
W VA	133	180	215	213	223	251	291	283
WIS	1,001	1,124	1,495	1,374	1,445	1,809	1,663	1,728
OTHER 1/	1,077	1,142	1,381	1,287	1,417	1,507	1,522	1,619
U S	49,855	54,229	71,052	65,177	67,186	79,283	74,291	78,749

SEE FOOTNOTES ON PAGE 47.

TABLE 36--ICE CREAM, HARD
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	1,070	917	791	704	10	12,948	9	12,479
ARIZ	577	503	458	485	9	6,503	9	6,543
ARK	403	310	242	231	8	4,212	8	4,104
CALIF	7,509	6,557	6,539	5,706	193	86,800	189	85,370
COLO	781	665	656	537	22	8,164	22	8,654
CONN	1,017	790	1,246	1,085	25	16,224	26	15,131
FLA	2,514	2,160	1,973	2,267	18	26,383	17	28,279
GA	442	441	368	411	11	6,998	10	6,088
IDAHO	244	233	238	213	9	3,208	8	3,234
ILL	3,697	2,961	2,958	2,844	47	43,894	46	41,576
IND	2,360	1,730	1,742	1,854	30	27,049	30	26,319
IOWA	851	703	741	723	17	10,879	19	9,906
KANS	666	538	556	428	13	7,583	12	7,325
KY	441	380	385	294	10	4,455	10	5,275
LA	1,026	824	657	676	23	10,644	20	10,704
MAINE	395	327	313	355	14	5,942	15	5,381
MD 2/	1,636	1,338	1,044	1,177	16	18,060	16	17,907
MASS	4,155	3,300	3,234	2,827	43	45,630	38	44,597
MICH	2,842	2,586	2,498	2,412	41	29,866	44	33,453
MINN	1,980	1,732	1,859	1,661	14	25,239	14	23,834
MISS	451	370	299	271	7	4,942	8	5,025
MO	1,654	1,165	1,188	1,075	23	17,821	18	17,872
MONT	132	108	111	90	16	1,645	15	1,555
NEBR 1/					12	8,895		
NEV	98	83	78	78	3	1,063	3	1,138
N H	81	60	60	55	13	1,048	13	1,047
N J	691	695	597	560	18	10,517	18	9,048
N Y	4,289	3,689	3,327	3,611	76	55,711	78	49,889
N C	2,543	2,016	1,633	1,520	22	27,966	21	26,462
N DAK	211	188	188	184	14	2,843	12	2,568
OHIO	4,460	3,693	3,431	3,314	53	47,770	52	48,201
OKLA	733	745	533	384	16	8,003	14	8,168
OREG	608	469	516	470	19	7,218	18	7,305
PA	6,088	5,048	4,870	4,819	76	66,168	75	64,991
R I	135	96	105	82	12	1,517	13	1,474
S C	1,011	854	828	779	5	10,253	5	11,173
S DAK	9	9	9	7	4	109	4	105
TENN	1,543	1,319	1,195	963	16	17,200	14	17,625
TEX	3,379	2,974	2,481	2,231	38	34,762	32	36,668
UTAH	590	511	495	475	11	6,708	11	6,681
VT	11	9	7	8	4	151	4	152
VA	775	630	607	547	12	8,265	12	7,999
WASH	1,422	1,278	1,125	1,451	17	15,931	19	16,706
W VA	236	180	205	174	7	2,659	7	2,584
WIS	1,473	1,300	1,094	1,259	41	17,128	41	16,765
OTHER 1/	1,401	1,254	1,323	1,040	16	6,047	25	15,970
U S	68,630	57,738	54,803	52,337	1,124	783,021	1,094	773,330

1/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 2/ INCLUDES DISTRICT OF COLUMBIA.

TABLE 37--ICE MILK 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 GALLONS								
ALA	495	479	737	703	764	960	878	872
ALAS	39	46	45	45	51	51	45	51
ARIZ	240	276	303	304	291	322	308	306
ARK	116	167	194	194	229	272	222	231
CALIF 2/	1,713	1,870	2,521	2,335	2,504	2,858	2,738	2,927
COLO	292	331	408	422	518	691	570	614
CONN	189	186	315	301	443	444	367	302
FLA	963	959	1,254	1,205	1,178	1,244	1,284	1,234
GA	388	383	566	524	585	730	699	619
HAW	51	44	58	51	53	55	57	59
IDAHO	79	95	114	105	117	171	169	169
ILL	750	879	1,505	1,510	1,767	1,984	1,958	1,797
IND	521	603	836	926	1,003	1,173	1,229	1,142
IOWA 3/	152	201	283	356	466	531	489	454
KANS	222	256	438	397	433	521	549	458
KY	131	190	335	339	437	442	466	414
LA	262	257	344	377	415	448	425	416
MAINE	46	27	86	113	138	184	225	211
MD 4/	382	436	596	704	768	766	932	757
MASS	467	521	604	679	747	751	890	877
MICH	363	377	651	773	923	1,008	1,197	958
MINN	200	253	353	526	655	724	686	628
MISS 5/	173	201	315	273	378	386	362	328
MO	512	738	1,021	1,121	1,283	1,423	1,439	1,400
MONT 6/	39	86	93	103	146	178	172	174
NEBR	178	222	308	360	389	474	441	434
NEV	59	64	75	81	76	87	88	93
N H	19	21	44	52	82	83	108	89
N J	298	287	295	354	441	434	480	430
N Y	434	333	651	1,045	1,487	1,791	1,751	1,641
N C	496	481	740	732	723	835	897	839
N DAK	50	59	87	106	140	157	158	136
OHIO	775	948	1,649	1,851	2,512	2,626	2,794	2,388
OKLA	301	356	455	403	506	511	506	502
OREG 7/	275	271	360	390	375	491	471	499
PA	790	822	1,384	1,493	2,004	2,042	2,196	2,134
R I	8	6	19	33	47	89	97	77
S C	253	423	373	480	511	552	519	480
S DAK	29	48	67	96	114	143	133	124
TENN	471	462	695	696	753	914	763	906
TEX	667	748	917	969	1,128	1,116	1,116	1,054
UTAH	143	165	207	258	247	370	373	375
VT	21	26	47	47	73	57	64	57
VA	244	236	376	389	409	450	547	490
WASH	460	519	719	746	750	916	885	933
W VA	80	90	227	263	287	265	348	298
WIS	229	375	605	678	901	972	1,124	898
WYO	13	38	38	54	63	66	66	65
OTHER 8/	60	86	100	105	131	151	158	162
U S	15,138	16,946	24,413	26,067	30,441	33,909	34,439	32,502

SEE FOOTNOTES ON PAGE 49.

TABLE 37--ICE MILK 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL	
	SEP	OCT	NOV	DEC	1976 PRODUCTION	1977 PRODUCTION
1,000 GALLONS						
ALA	764	659	579	487	7,998	8,377
ALAS 8/	45	30	26	30		503
ARIZ	309	319	272	257	3,119	3,507
ARK	207	157	129	129	2,283	2,247
CALIF 2/	2,568	2,312	1,973	1,799	27,216	28,118
COLO	483	424	304	270	4,947	5,327
CONN	373	154	167	197	3,979	3,438
FLA	1,255	1,094	1,006	855	12,487	13,591
GA	562	435	426	416	6,405	6,333
HAW 8/	57	52	43	46		626
IDAHO	118	109	92	69	1,594	1,407
ILL	1,485	1,197	1,048	819	14,692	16,699
IND	991	673	557	469	10,003	10,123
IOWA 3/	297	283	179	149	3,682	3,840
KANS	418	340	265	212	3,595	4,509
KY	328	258	222	147	3,734	3,709
LA	383	380	275	272	4,789	4,254
MAINE	143	107	61	95	1,139	1,436
MD 4/	652	526	358	352	7,511	7,229
MASS	598	608	433	308	7,246	7,483
MICH	687	503	349	344	13,689	8,133
MINN	376	311	251	178	5,608	5,141
MISS 5/	333	240	201	197	2,902	3,387
MO	1,115	672	667	532	12,104	11,923
MONT 6/	104	86	72	78	1,156	1,331
NEBR	311	275	234	179	3,631	3,805
NEV	95	85	71	63	835	937
N H	57	38	26	19	707	638
N J	341	328	286	284	2,732	4,258
N Y	1,031	551	262	311	11,174	11,288
N C	762	587	517	545	8,525	8,154
N DAK	119	58	51	50	1,029	1,171
OHIO	1,844	1,259	995	922	19,985	20,563
OKLA	454	459	351	248	4,451	5,052
OREG 7/	408	344	254	269	4,237	4,407
PA	1,313	1,231	857	704	16,076	16,970
R I	26	11	11	14	464	438
S C	466	314	334	305	4,167	5,010
S DAK	76	58	39	29	825	956
TENN	682	534	468	321	7,823	7,665
TEX	1,027	864	754	656	10,127	11,016
UTAH	276	235	197	165	2,862	3,011
VT	42	31	31	26	433	522
VA	387	331	294	248	4,286	4,401
WASH	757	573	648	677	8,010	8,583
W VA	232	127	120	125	2,649	2,462
WIS	598	524	305	302	6,289	7,511
WYO 8/	52	35	33	27		550
OTHER 8/	122	96	78	72	2,981	1,321
U S	26,129	20,877	17,171	15,268	286,176	293,300

1/ INCLUDES HARD, SOFT-SERVE, AND FREEZER-MADE MILKSHAKE. 2/ INCLUDES FREEZER-MADE "MILK DRINK". 3/ INCLUDES SUBSTANDARD FROZEN DESSERT. 4/ INCLUDES DISTRICT OF COLUMBIA. 5/ INCLUDES MILKSHAKE BASE. 6/ INCLUDES LOWFAT ICE CREAM. 7/ INCLUDES SUBSTANDARD ICE CREAM. 8/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 38--MILK SHERBET 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 GALLONS								
ALA	48	48	69	71	84	90	78	81
ALAS	1	2	1	2	1	5	4	3
ARIZ	24	34	43	29	51	42	43	45
ARK	20	18	24	26	24	37	34	28
CALIF	412	387	500	440	519	584	604	681
COLO	44	37	65	50	55	70	72	69
CONN	29	42	57	48	57	50	54	54
FLA	103	108	165	159	155	166	162	175
GA	31	25	28	34	35	39	39	36
IDAHO	11	10	16	17	13	26	30	23
ILL	163	182	221	228	235	284	251	281
IND	125	130	195	201	191	253	188	215
IOWA	53	50	79	77	117	115	106	116
KANS	31	35	46	43	44	60	62	58
KY	17	16	45	56	50	74	54	75
LA	43	40	66	57	56	89	84	77
MAINE	20	13	25	23	34	54	63	92
MD 2/	85	71	136	162	203	256	200	206
MASS	93	105	154	181	204	338	260	291
MICH	129	103	160	184	203	252	245	201
MINN	104	119	131	144	138	167	143	139
MISS	19	24	35	31	37	46	40	41
MO	51	54	76	66	83	102	151	151
MONT	4	3	2	9	12	8	12	10
NEBR	16	18	27	29	30	34	38	33
NEV	4	6	7	6	7	8	9	8
N H	2	3	7	6	9	8	10	10
N J	12	14	35	40	52	50	57	52
N Y	118	98	219	204	284	433	349	310
N C	82	87	146	167	188	189	201	212
N DAK	3	9	12	9	12	16	12	11
OHIO	183	191	276	292	277	412	321	345
OKLA	22	21	36	37	33	58	57	47
OREG	51	49	44	54	58	59	37	73
PA	141	129	229	242	334	341	306	381
R I	8	7	10	15	22	27	16	15
S C	119	52	76	93	163	173	177	101
TENN	57	64	108	119	139	154	320	142
TEX	204	200	258	217	318	302	319	335
UTAH	28	29	42	35	44	57	66	52
VA 3/								
WASH	85	79	125	129	130	132	146	171
W VA	10	16	20	22	23	19	22	22
WIS	33	51	92	66	73	114	83	82
OTHER 3/	56	51	88	91	106	135	172	166
U S	2,894	2,830	4,206	4,211	4,903	5,928	5,697	5,716

SEE FOOTNOTES ON PAGE 51.

TABLE 38--MILK SHERBET 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL	
	SEP	OCT	NOV	DEC	1976 PRODUCTION	1977 PRODUCTION
1,000 GALLONS						
ALA	59	52	37	43	787	760
ALAS 3/	2	1	2	1		25
ARIZ	42	35	23	19	400	430
ARK	38	23	18	17	316	307
CALIF	486	382	388	328	6,334	5,711
COLO	51	42	40	30	605	625
CONN	43	84	58	91	761	667
FLA	147	134	105	110	1,808	1,689
GA	31	23	25	24	462	370
IDAHO	13	17	12	12	199	200
ILL	250	197	177	164	2,707	2,623
IND	143	110	110	129	2,193	1,990
IOWA	63	46	49	45	901	916
KANS	44	26	29	27	476	505
KY	47	30	39	33	328	536
LA	75	62	36	45	699	730
MAINE	23	11	16	39	313	413
MD 2/	161	93	91	110	1,753	1,774
MASS	166	121	113	154	2,116	2,180
MICH	176	150	113	171	1,911	2,087
MINN	101	87	106	86	1,506	1,465
MISS	37	23	19	21	385	373
MO	106	83	92	85	1,123	1,100
MONT	11	4	3	5	103	83
NEBR	28	16	21	19	331	309
NEV	7	7	5	5	70	79
N H	8		11	7	61	81
N J	35	17	30	11	518	406
N Y	220	143	115	133	2,273	2,626
N C	195	124	103	75	1,486	1,769
N DAK	9	9	13	8	137	122
OHIO	302	163	175	194	3,082	3,131
OKLA	31	24	22	17	431	405
OREG	40	16	17	27	568	525
PA	213	177	168	198	3,023	2,859
R I	15	9	10	11	106	165
S C	125	109	84	99	1,526	1,371
TENN	123	87	77	64	1,115	1,454
TEX	298	222	164	182	2,849	3,029
UTAH	37	28	28	25	454	471
VA 3/					433	
WASH	104	106	81	113	1,434	1,401
W VA	17	14	14	15	184	214
WIS	58	52	57	67	767	828
OTHER 3/	101	61	65	74	555	1,166
U S	4,281	3,210	2,961	3,133	49,589	49,970

1/ INCLUDES HARD, SOFT-SERVE, AND FREEZER-MADE MILKSHAKE.

2/ INCLUDES DISTRICT OF COLUMBIA.

3/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 39--MELLORINE TYPE PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
FROZEN PRODUCT 1/								
1,000 GALLONS								
ARIZ	22	27	44	34	31	36	46	47
ARK	37	50	56	39	53	78	61	46
CALIF 3/	271	325	455	326	366	449	398	416
ILL	62	62	89	79	101	120	112	100
LA	5	6	19	20	11	18	13	6
MO	38	56	74	58	87	85	78	84
OKLA	31	41	54	48	56	53	48	69
OREG	35	19	38	22	31	30	23	28
TEX	595	673	823	806	889	1,016	862	949
OTHER 2/	118	167	174	193	177	194	197	199
U S	1,214	1,426	1,826	1,625	1,802	2,079	1,838	1,944

MIX FOR FROZEN PRODUCT								
STATE	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
ARIZ	12	15	15	19	17	21	25	26
ARK	19	26	28	21	26	39	31	24
CALIF	155	162	221	176	188	225	208	226
ILL	42	49	65	61	75	90	82	73
LA	3	3	10	10	6	10	7	3
MO	14	21	29	21	34	31	28	32
OKLA	16	23	26	24	28	28	23	36
OREG	18	11	18	11	14	14	11	14
TEX	355	396	491	478	527	604	514	562
OTHER 2/	60	82	91	103	92	111	99	98
U S	694	788	994	924	1,007	1,173	1,028	1,094

TABLE 40--OTHER FROZEN DAIRY PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 GALLONS								
CONN 2/								
GA	25	21	32	46	48	40	36	47
ILL	32	30	87	59	58	94	54	70
LA	17	11	29	21	31	37	23	25
MASS	23	58	68	63	38	66	62	64
MISS	1	2	2	4	4	5	7	4
MO	40	39	101	57	108	117	61	69
N Y	88	116	232	393	610	651	649	539
PA	44	38	92	67	79	84	58	66
TENN	12	15	13	23	43	37	39	46
TEX	18	20	33	40	34	35	41	25
WASH 2/								
OTHER 2/	164	231	362	434	503	549	475	537
U S	464	581	1,051	1,207	1,556	1,715	1,505	1,492

SEE FOOTNOTES ON PAGE 53.

TABLE 39--MELLORINE TYPE PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976 PLANTS:PRODUCTION	1977 PLANTS:PRODUCTION		
1,000 GALLONS				NUMBER 1,000 GAL				
FROZEN PRODUCT 1/								
ARIZ	42	26	21	17		437		393
ARK	61	35	28	27		656		571
CALIF 3/	350	240	253	228		5,258		4,077
ILL	91	70	69	49		1,140		1,004
LA	9	7	1	1		112		116
MO	64	41	48	39		889		752
OKLA	37	50	31	18		657		536
OREG	17	17	20	15		402		295
TEX	778	668	574	467		11,507		9,100
OTHER 2/	170	135	111	116		2,226		1,951
U S	1,619	1,289	1,156	977	4/	23,284	4/	18,795

MIX FOR
FROZEN PRODUCT

ARIZ	20	14	12	8	4	229	4	204
ARK	30	17	14	14	8	332	8	289
CALIF	171	129	136	107	19	2,623	17	2,104
ILL	69	54	50	38	17	843	14	748
LA	5	3	1	1	7	59	6	62
MO	24	15	19	14	9	331	8	282
OKLA	20	31	21	13	9	333	10	289
OREG	9	9	10	8	8	197	5	147
TEX	458	396	347	277	37	6,257	35	5,405
OTHER 2/	86	71	56	60	14	1,158	13	1,009
U S	892	739	666	540	132	12,362	120	10,539

TABLE 40--OTHER FROZEN DAIRY PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976 PLANTS:PRODUCTION	1977 PLANTS:PRODUCTION		
1,000 GALLONS				NUMBER 1,000 GAL				
CONN 2/					4	1,208		
GA	33	22	26	14	5	406	5	390
ILL	59	44	40	17	10	709	10	644
LA	18	12	11	6	4	200	4	241
MASS	36	24	13	11	4	487	5	526
MISS	3	2	3	1	4	50	4	38
MO	104	25	45	64	6	594	7	830
N Y	212	135	75	78	11	2,872	10	3,778
PA	65	54	44	35	7	696	8	726
TENN	21	14	18	12	6	227	6	293
TEX	30	22	16	12	8	248	8	326
WASH 2/					3	208		
OTHER 2/	342	202	173	116	39	2,707	40	4,088
U S	923	556	464	366	111	10,612	107	11,880

1/ INCLUDES HARD, SOFT-SERVE, AND FREEZER-MADE MILKSHAKE.

2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

3/ DESIGNATED AS "IMITATION ICE CREAM".

4/ NUMBER OF PLANTS NOT AVAILABLE FOR MELLORINE-TYPE FROZEN DESSERTS.

TABLE 41--WATER ICES 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 GALLONS								
ALA	26	46	78	98	109	126	96	90
ARIZ 2/								
CALIF	215	197	453	401	374	382	418	397
COLO	14	17	29	41	52	73	91	58
CONN	8	10	27	29	29	40	43	30
FLA	65	77	118	138	536	205	151	125
GA	28	47	76	97	104	142	80	79
ILL	55	59	144	127	206	253	228	162
IND 2/								
KY	15	9	37	40	36	49	45	43
LA	12	10	26	30	31	52	34	29
MD 3/	107	109	170	211	251	410	304	215
MASS	16	38	70	54	134	131	128	98
MISS	8	14	15	20	35	43	32	28
N J	12	15	28	66	103	112	88	131
N Y	44	31	142	256	310	430	345	256
N C	73	145	133	148	183	156	186	162
OHIO	54	125	275	318	391	543	433	317
OKLA	12	15	25	29	31	41	31	31
PA	49	49	213	276	358	476	448	375
TENN	11	24	45	56	66	79	69	66
TEX	66	92	166	188	259	402	271	200
UTAH	6	6	15	16	17	42	82	36
WIS	108	116	184	214	284	492	372	187
OTHER 2/	330	775	891	991	1,272	1,501	1,355	1,090
U S	1,335	2,026	3,360	3,844	5,171	6,180	5,330	4,205

SEE FOOTNOTES ON PAGE 55.

TABLE 41--WATER ICES 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	66	40	26	21	4	823	4	822
ARIZ 2/					3	201		
CALIF	399	252	169	99	13	4,233	13	3,757
COLO	20	16	11	7	4	337	4	429
CONN	22	10	12	4	9	494	9	264
FLA	146	90	51	55	8	1,203	8	1,757
GA	53	49	45	10	6	987	5	810
ILL	73	30	38	39	15	1,503	11	1,414
IND 2/					8	2,153		
KY	25	19	19	12	5	433	5	349
LA	19	19	10	7	7	240	7	279
MD 2/ 3/	98	75	38	64			9	2,052
MASS	50	10	12	11	8	691	6	752
MISS	31	16	9	12	4	163	4	263
N J	22	9	20	3	11	593	12	609
N Y	104	36	29	34	32	2,144	34	2,017
N C	135	65	61	38	15	2,422	14	1,485
OHIO	103	65	41	45	12	2,535	13	2,710
OKLA	24	12	12	9	4	301	3	272
PA	174	89	85	46	16	2,437	17	2,638
TENN	55	29	29	12	8	714	9	541
TEX	172	101	71	54	18	1,998	18	2,042
UTAH	4	3	4	2	6	246	5	233
WIS	65	66	77	116	6	1,654	4	2,281
OTHER 2/	445	343	246	211	59	9,496	59	9,450
U S	2,305	1,444	1,115	911	281	38,001	273	37,226

1/ DOES NOT INCLUDE COUNTER-FREEZER PRODUCTION.

2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 3/ INCLUDES DISTRICT OF COLUMBIA.

TABLE 42--ICE CREAM MIX
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 GALLONS								
ALA	422	443	585	560	582	643	619	585
ARIZ	245	309	357	278	326	379	287	325
ARK	150	161	212	214	230	304	260	262
CALIF	2,891	2,946	3,759	3,401	3,340	4,047	3,978	4,328
COLO	312	327	425	342	346	476	413	447
CONN	413	478	580	628	723	792	800	1,091
FLA	918	1,050	1,604	1,327	1,250	1,494	1,404	1,390
GA	221	224	267	274	194	325	317	327
IDAHO	119	129	133	164	154	156	162	173
ILL	1,493	1,638	2,062	1,720	1,927	2,259	1,921	2,031
IND	802	907	1,352	1,175	1,117	1,356	1,166	1,401
IOWA	318	361	470	392	460	516	489	524
KANS	228	302	323	306	325	397	383	468
KY	127	172	258	264	283	325	336	331
LA	382	377	492	445	493	600	527	502
MAINE	159	174	221	242	268	246	277	374
MD 1/	588	580	873	845	846	993	926	935
MASS	1,390	1,613	1,976	1,925	2,004	2,222	2,187	2,368
MICH	1,023	1,146	1,534	1,412	1,527	1,702	1,811	1,814
MINN	1,039	1,002	1,381	1,136	1,347	1,496	1,484	1,464
MISS	157	175	232	230	247	314	250	249
MO	554	629	819	750	780	976	959	965
MONT	44	55	78	57	69	88	91	84
NEBR	347	346	435	410	445	483	511	516
NEV	44	46	59	49	54	60	61	74
N H	27	31	31	47	28	60	84	77
N J	412	402	528	558	648	655	702	690
N MEX	78	81	99	95	102	110	100	113
N Y	1,867	1,984	3,158	2,907	3,290	3,839	3,348	3,420
N C	755	926	1,170	1,229	1,247	1,351	1,332	1,392
N DAK	85	95	106	99	121	134	131	126
OHIO	1,626	1,838	2,262	1,918	1,856	2,274	2,263	2,501
OKLA	247	286	341	327	364	471	437	482
OREG	275	267	325	300	332	371	388	446
PA	2,115	2,293	2,971	2,892	2,993	3,503	3,474	3,470
R I	49	45	65	52	68	89	85	83
S C	354	388	463	536	557	581	626	575
S DAK	47	47	65	50	62	75	82	73
TENN	591	591	875	889	925	1,004	1,008	1,003
TEX	1,257	1,371	1,741	1,578	1,763	2,086	1,864	1,987
UTAH	234	247	320	285	272	365	327	370
VT	9	7	13	26	33	34	51	42
VA	263	284	438	415	421	437	449	488
WASH	632	674	725	628	748	866	774	875
W VA	60	84	103	98	104	142	138	134
WIS	545	606	768	727	795	972	920	968
OTHER 2/	140	144	181	155	164	168	168	200
U S	26,054	28,281	37,235	34,357	36,230	42,236	40,370	42,543

SEE FOOTNOTES ON PAGE 57.

TABLE 42--ICE CREAM MIX
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976 PLANTS	1976 PRODUCTION	1977 PLANTS	1977 PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL			
ALA	517	458	400	344	10	6,286	9	6,158
ARIZ	336	280	253	260	8	3,672	8	3,635
ARK	237	172	146	135	9	2,595	9	2,483
CALIF	3,619	3,177	3,205	2,773	49	43,291	47	41,464
COLO	368	322	337	269	14	4,202	15	4,384
CONN	510	392	613	548	9	7,525	11	7,568
FLA	1,349	1,173	1,069	1,229	19	14,427	18	15,257
GA	231	229	187	209	14	3,759	11	3,005
IDAHO	124	115	120	124	10	1,567	7	1,673
ILL	2,025	1,542	1,528	1,354	40	23,865	36	21,500
IND	1,299	1,204	869	906	21	13,318	21	13,554
IOWA	445	365	378	370	18	5,673	18	5,088
KANS	326	268	272	219	10	3,574	10	3,817
KY	251	205	207	173	13	2,466	11	2,932
LA	524	420	341	337	20	5,400	18	5,440
MAINE	199	169	150	193	9	2,872	10	2,672
MD 1/	838	678	545	580	13	9,574	13	9,227
MASS	2,050	1,704	1,624	1,466	30	23,966	28	22,529
MICH	1,437	1,298	1,223	1,195	37	18,084	37	17,122
MINN	1,290	1,085	1,175	925	10	14,792	9	14,824
MISS	235	187	155	137	7	2,528	8	2,568
MO	816	612	601	526	22	9,248	18	8,987
MONT	64	56	61	44	11	861	11	791
NEBR	434	381	437	319	11	4,783	10	5,064
NEV	56	48	48	43	3	610	3	642
N H	41	34	35	33	7	564	7	528
N J	466	383	334	275	13	6,518	13	6,053
N MEX	114	90	83	74	4	1,142	4	1,139
N Y	2,888	2,293	2,085	2,170	56	35,761	53	33,249
N C	1,201	1,009	847	770	22	13,442	20	13,229
N DAK	107	92	91	96	13	1,411	11	1,283
OHIO	2,159	1,787	1,623	1,602	53	24,594	52	23,709
OKLA	416	416	295	217	13	4,046	13	4,299
OREG	307	286	264	264	20	3,583	19	3,825
PA	3,226	2,670	2,685	2,531	72	36,197	69	34,823
R I	70	48	52	41	8	796	8	747
S C	537	462	440	410	5	5,496	5	5,929
S DAK	65	60	62	56	5	755	6	744
TENN	833	707	635	501	19	8,860	18	9,562
TEX	1,792	1,586	1,363	1,143	39	18,244	36	19,531
UTAH	309	262	256	242	11	3,506	11	3,489
VT	19	13	12	9	5	229	7	268
VA	455	348	335	303	10	4,844	10	4,636
WASH	701	684	557	714	16	8,451	17	8,578
W VA	124	87	102	79	7	1,280	7	1,255
WIS	800	724	598	642	31	9,486	30	9,065
OTHER 2/	168	165	146	139	9	2,016	9	1,938
U S	36,378	30,746	28,844	26,989	855	420,159	821	410,263

1/ INCLUDES DISTRICT OF COLUMBIA.

2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 43--ICE MILK MIX 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
1,000 GALLONS								
ALA	281	278	411	404	452	550	516	501
ARIZ	146	162	175	179	176	186	181	187
ARK	105	165	212	214	240	280	247	246
CALIF	1,158	1,268	1,706	1,599	1,686	1,953	1,869	2,004
COLO	188	210	261	274	335	450	373	401
CONN	93	86	163	157	224	224	192	150
FLA	573	583	824	726	691	794	849	742
GA	253	267	375	369	401	494	471	431
IDAHO	39	47	55	53	61	90	87	86
ILL	511	671	1,099	1,193	1,447	1,541	1,592	1,436
IND	250	329	446	516	542	593	617	669
IOWA	99	132	193	246	326	351	327	296
KANS	131	139	281	246	274	334	341	287
KY	82	108	199	208	273	264	287	246
LA	133	135	180	187	206	222	206	212
MAINE	25	17	44	59	74	98	122	108
MASS	301	337	430	439	492	522	629	618
MICH	226	240	419	510	603	626	690	601
MINN	139	185	313	390	479	500	502	438
MISS	114	124	184	180	242	244	225	208
MO	250	361	507	554	643	705	721	699
MONT	24	54	52	62	83	105	98	102
NEBR	107	130	183	218	239	293	271	264
NEV	41	45	52	56	53	59	61	65
N J	124	120	128	143	171	172	181	168
N MEX	32	43	55	52	66	74	68	78
N Y	409	410	658	713	826	829	877	878
N C	344	291	448	454	445	511	560	479
N DAK	23	30	43	51	62	67	60	53
OHIO	546	657	1,194	1,277	1,787	1,793	1,930	1,784
OKLA	151	189	244	226	271	287	260	267
OREG	163	162	200	226	218	287	277	323
PA	469	444	804	916	1,183	1,148	1,261	1,257
R I	3	2	8	15	19	36	38	32
S C	127	213	190	244	257	278	263	243
S DAK	22	36	53	77	93	112	106	101
TENN	253	244	373	381	382	502	391	486
TEX	434	475	632	651	755	749	747	737
UTAH	110	123	151	186	178	263	268	270
VT	13	17	29	29	44	34	39	33
VA	247	292	459	480	521	562	711	622
WASH	316	325	466	483	487	605	544	677
W VA	36	56	109	141	151	141	166	153
WIS	108	160	277	302	430	447	504	424
OTHER 2/	265	309	404	417	461	456	515	483
J S	9,464	10,661	15,689	16,503	19,049	20,831	21,240	20,545

SEE FOOTNOTES ON PAGE 59.

TABLE 43--ICE MILK MIX 1/
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	452	378	342	285	18	4,566	18	4,850
ARIZ	177	187	155	155	7	1,857	7	2,066
ARK	209	170	141	144	10	2,483	10	2,373
CALIF	1,730	1,562	1,338	1,236	55	18,322	52	19,109
COLO	314	277	198	176	16	3,197	16	3,457
CONN	192	91	91	108	5	2,210	7	1,771
FLA	739	631	616	614	24	7,668	24	8,381
GA	394	317	313	292	19	4,342	19	4,377
IDAHO	59	55	44	38	10	813	7	714
ILL	1,165	851	757	596	40	10,789	40	12,859
IND	488	375	294	251	23	5,389	23	5,370
IOWA	204	184	119	104	19	2,370	22	2,581
KANS	267	221	173	129	18	2,089	17	2,823
KY	215	167	131	94	19	2,238	16	2,274
LA	208	201	154	144	22	2,423	20	2,188
MAINE	71	51	29	41	10	593	11	739
MASS	403	395	291	218	17	4,899	14	5,075
MICH	431	305	230	221	32	8,714	31	5,102
MINN	286	215	166	137	10	3,836	9	3,750
MISS	208	150	117	117	14	1,714	14	2,113
MO	558	340	342	268	24	6,217	20	5,948
MONT	61	46	44	40	16	675	14	771
NEBR	183	171	139	109	17	2,347	14	2,307
NEV	67	59	50	44	3	554	3	652
N J	135	130	129	116	10	1,419	11	1,717
N MEX	56	48	39	36	4	553	4	647
N Y	754	579	476	446	37	7,696	34	7,855
N C	524	428	366	364	21	5,252	19	5,214
N DAK	43	32	25	21	12	510	10	510
OHIO	1,347	886	715	663	61	14,051	58	14,579
OKLA	258	253	182	149	15	2,317	14	2,737
OREG	239	230	159	168	20	2,444	19	2,650
PA	849	657	521	434	60	8,529	58	9,943
R I	11	3	3	5	5	203	5	175
S C	235	158	168	152	8	1,999	8	2,528
S DAK	62	41	27	25	7	785	7	755
TENN	348	273	247	173	20	4,044	17	4,053
TEX	662	551	499	423	38	6,638	38	7,315
UTAH	200	171	143	122	12	2,063	12	2,185
VT	25	18	18	15	6	311	6	314
VA	490	413	363	320	16	5,041	15	5,470
WASH	506	399	409	455	19	5,388	20	5,672
W VA	111	66	59	64	9	1,242	9	1,253
WIS	293	232	154	140	19	2,955	18	3,471
OTHER 2/	413	325	288	290	27	5,226	25	4,626
U S	16,640	13,292	11,263	10,142	874	178,971	835	185,319

1/ INCLUDES MILKSHAKE MIX.

2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 44--MILK SHERBET MIX
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977							
	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG
	1,000 GALLONS							
ALA	31	33	42	51	56	58	52	52
ARIZ	15	21	28	19	32	26	27	31
ARK	13	12	18	18	18	26	21	20
CALIF	254	247	310	274	324	378	378	428
COLO	27	23	39	31	31	42	44	43
CONN	19	29	39	34	40	37	36	38
FLA	65	72	105	105	106	107	96	109
GA	21	15	17	20	22	25	24	25
IDAHO	8	7	9	11	10	16	18	14
ILL	114	113	151	152	166	226	166	166
IND	84	88	137	128	124	165	124	145
IOWA	33	34	57	59	86	80	87	77
KANS	22	24	30	32	32	42	45	45
KY	10	9	30	36	31	44	33	46
LA	26	25	41	35	37	63	56	48
MD 1/	62	55	84	120	162	158	121	149
MASS	79	73	125	124	159	231	204	210
MICH	72	66	116	108	123	154	155	111
MINN	68	75	102	80	96	116	84	91
MISS	11	16	22	19	25	28	27	26
MO	44	45	61	54	72	84	90	86
MONT	2	2	1	4	6	1	6	5
NEBR	10	12	18	19	18	21	25	21
NEV	3	4	4	4	4	5	5	6
N H	3	2	4	4	4	5	6	6
N J	10	11	25	26	36	28	38	31
N Y	84	71	159	142	190	231	255	230
N C	57	55	92	113	122	124	136	144
N DAK	2	7	8	6	8	11	9	8
OHIO	125	125	185	208	191	271	222	237
OKLA	15	15	24	26	21	39	37	35
OREG	38	21	28	34	40	36	29	49
PA	94	81	148	169	198	215	213	242
R I	7	7	7	11	18	20	11	12
S C	74	32	7	60	102	105	91	61
TENN	37	38	71	82	94	104	108	94
TEX	145	132	172	138	234	183	199	209
UTAH	17	18	26	21	27	37	39	35
WASH	70	52	87	87	70	89	97	114
W VA	5	7	11	12	13	11	10	11
WIS	20	29	49	34	41	66	45	45
OTHER 2/	48	45	70	67	87	114	119	147
U S	1,944	1,848	2,759	2,777	3,276	3,822	3,588	3,702

SEE FOOTNOTES ON PAGE 61.

TABLE 44--MILK SHERBET MIX
PRODUCTION BY STATES, BY MONTHS, 1977 AND ANNUAL 1976 AND 1977

STATE	1977				ANNUAL			
	SEP	OCT	NOV	DEC	1976		1977	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	38	34	25	28	9	502	8	500
ARIZ	27	22	17	12	5	262	5	277
ARK	24	15	12	10	7	203	6	207
CALIF	299	245	243	214	42	4,100	38	3,594
COLO	27	24	25	19	9	394	9	375
CONN	32	53	38	58	8	463	9	453
FLA	92	87	72	70	13	1,142	13	1,086
GA	19	14	13	15	10	298	10	230
IDAHO	8	11	8	9	6	123	5	129
ILL	139	118	132	112	31	1,765	30	1,755
IND	100	89	71	79	17	1,505	17	1,334
IOWA	42	32	34	30	9	639	10	651
KANS	33	18	23	18	8	340	8	364
KY	29	19	23	20	7	187	7	330
LA	47	41	20	29	15	435	15	468
MD 1/	105	57	64	54	9	1,177	9	1,191
MASS	131	91	89	109	23	1,474	20	1,625
MICH	108	86	73	96	26	1,328	27	1,268
MINN	60	61	83	46	9	966	9	962
MISS	23	14	12	13	7	248	7	236
MO	53	33	41	38	18	709	16	701
MONT	5	2	1	2	8	45	7	37
NEBR	17	11	13	12	10	224	9	197
NEV	4	4	3	3	3	44	3	49
N H	5	3	5	5	4	53	4	52
N J	26	11	18	9	6	284	7	269
N Y	152	92	82	89	35	1,679	33	1,777
N C	101	84	62	46	19	966	15	1,136
N DAK	5	5	7	5	7	85	7	81
OHIO	208	114	124	132	36	2,085	38	2,142
OKLA	24	18	16	13	12	294	10	283
OREG	24	24	15	19	14	382	14	357
PA	145	118	113	131	47	1,887	46	1,867
R I	11	8	8	8	7	99	7	128
S C	82	69	53	62	4	942	4	798
TENN	76	57	48	49	15	720	14	858
TEX	208	141	117	108	34	1,817	33	1,986
UTAH	23	17	18	15	11	290	11	293
WASH	63	68	63	66	12	972	14	926
W VA	8	8	6	9	5	110	5	111
WIS	34	28	31	38	16	434	14	460
OTHER 2/	76	49	53	72	25	763	22	947
U S	2,733	2,095	1,974	1,972	618	32,435	595	32,490

1/ INCLUDES DISTRICT OF COLUMBIA.

2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 45--FROZEN DAIRY PRODUCTS: PRODUCTION, HARD AND SOFT, BY STATES, 1977

STATE	TOTAL FROZEN PRODUCTS 1/					ICE CREAM				ICE MILK 3/			
	PRODUCTION					PRODUCTION				PRODUCTION			
	: AS % OF :					: AS % OF :				: AS % OF :			
	: TOTAL :					: TOTAL :				: TOTAL :			
: ICE CREAM:					: ICE CREAM:				: ICE MILK				
TOTAL	HARD	SOFT	HARD:SOFT	PERCENT	HARD	SOFT	HARD:SOFT	PERCENT	HARD	SOFT	HARD:SOFT	PERCENT	
1,000 GALLONS					1,000 GALLONS				1,000 GALLONS				
ALA	21,616	17,914	3,702	83	17	12,479		100	4,675	3,702	56	44	
ARIZ	11,518	9,004	2,514	78	22	6,543	645	91	2/	2/	2/	2/	
ARK	7,744	5,777	1,967	75	25	4,104	515	89	11	795	1,452	35	65
CALIF	123,276	104,390	18,886	85	15	85,370		100		9,232	18,886	33	67
COLO	14,606	10,580	4,026	72	28	8,654		100		1,301	4,026	24	76
CONN	2/	2/	2/	2/	2/	15,131		100		591	2,847	17	83
FLA	45,068	35,514	9,554	79	21	28,279	1,569	95	5	5,593	7,938	41	59
GA	12,889	7,366	5,523	57	43	6,088	98	98	2	908	5,425	14	86
IDAHO	4,841	3,858	983	80	20	3,234		100		424	983	30	70
ILL	62,330	47,743	14,587	77	23	41,576	428	99	1	3,220	13,479	19	81
IND	2/	2/	2/	2/	2/	26,319	718	97	3	4,050	6,073	40	60
IOWA	2/	2/	2/	2/	2/	9,906	168	98	2	1,228	2,612	32	68
KANS	12,339	9,546	2,793	77	23	7,325		100		1,716	2,793	38	62
KY	9,520	6,379	3,141	67	33	5,275		100		568	3,141	15	85
LA	15,804	13,088	2,716	83	17	10,704		100		1,538	2,716	36	64
MAINE	7,230	6,579	651	91	9	5,381		100		2/	2/	2/	2/
MD 4/	27,615	21,050	6,565	76	24	17,907	705	96	4	1,888	5,341	26	74
MASS	54,918	51,560	3,358	94	6	44,597	658	99	1	4,783	2,700	64	36
MICH	44,912	37,413	7,499	83	17	33,453	1,239	96	4	2,017	6,116	25	75
MINN	2/	2/	2/	2/	2/	23,834	5,304	82	18	1,307	3,834	25	75
MISS	8,785	6,852	1,933	78	22	5,025		100		1,454	1,933	43	57
MO	32,031	23,910	8,121	75	25	17,872	384	98	2	4,439	7,484	37	63
MONT	2/	2/	2/	2/	2/	1,555	20	99	1	431	900	32	68
NEBR	2/	2/	2/	2/	2/	2/	2/	2/	2/	1,966	1,839	52	48
NEV	2/	2/	2/	2/	2/	1,138	85	93	7	43	894	5	95
N H	1,766	1,145	621	65	35	1,047		100		2/	2/	2/	2/
N J	16,316	9,788	6,528	60	40	9,048	2,604	78	22	372	3,886	9	91
N Y	73,456	56,509	16,947	77	23	49,889	9,653	84	16	4,420	6,868	39	61
N C	36,385	34,213	2,172	94	6	26,462		100		5,982	2,172	73	27
N DAK	3,861	2,943	918	76	24	2,568		100		253	918	22	78
OHIO	71,997	55,259	16,738	77	23	48,201	102	100		4,053	16,510	20	80
OKLA	14,485	10,778	3,707	74	26	8,168	324	96	4	1,678	3,374	33	67
OREG	12,613	8,905	3,708	71	29	7,305	81	99	1	780	3,627	18	82
PA	88,167	74,478	13,689	84	16	64,991	3,347	95	5	6,747	10,223	40	60
R I	2,077	1,617	460	78	22	1,474		100		2/	2/	2/	2/
S C	17,554	17,102	452	97	3	11,173		100		4,558	452	91	9
S DAK	1,080	116	964	11	89	105	19	85	15	2/	2/	2/	2/
TENN	2/	2/	2/	2/	2/	17,625	383	98	2	5,026	2,639	66	34
TEX	59,850	51,021	8,829	85	15	36,668	37	100		3,126	7,890	28	72
UTAH	10,163	8,340	1,823	82	18	6,681		100		1,188	1,823	39	61
VT	2/	2/	2/	2/	2/	152	6	96	4	2/	2/	2/	2/
VA	2/	2/	2/	2/	2/	7,999	157	98	2	1,008	3,393	23	77
WASH	27,094	20,204	6,890	75	25	16,706	404	98	2	2,370	6,213	28	72
W VA	5,260	3,209	2,051	61	39	2,584		100		411	2,051	17	83
WIS	26,181	19,075	7,106	73	27	16,765	1,077	94	6	1,626	5,885	22	78
OTH STS 2/	180,850	145,567	35,283	80	20	15,970	72	100		3,134	7,363	30	70
U S	1,166,197	938,792	227,405	81	19	773,330	30,802	96	4	100,899	192,401	34	66

SEE FOOTNOTES ON PAGE 63.

TABLE 45--FROZEN DAIRY PRODUCTS: PRODUCTION, HARD AND SOFT, BY STATES, 1977

STATE	MILK SHERBET				MELLORINE				PERCENT TOTAL SOFT PRODUCTS SOLD AS:			
	PRODUCTION		AS % OF TOTAL		PRODUCTION		AS % OF TOTAL		ICE CREAM	ICE MILK	MILK SHERBET	MELLORINE
	HARD	SOFT	HARD	SOFT	HARD	SOFT	HARD	SOFT				
	1,000 GALLONS		PERCENT	1,000 GALLONS		PERCENT			PERCENT			
ALA	760		100							100		
ARIZ	430		100	393		100		26		74		
ARK	307		100	571		100		26		74		
CALIF	5,711		100	4,077		100				100		
COLO	625		100							100		
CONN	667		100							100		
FLA	1,642	47	97	3				16		83	1	
GA	370		100					2		98		
IDAHO	200		100							100		
ILL	2,623		100	324	680	32	68	3		92		5
IND	1,990		100		2/		2/	10		87		3
IOWA	916		100	2/		2/		6		94		
KANS	505		100							100		
KY	536		100							100		
LA	730		100	116		100				100		
MAINE	413		100							100		
MD 4/	1,255	519	71	29				11		81		8
MASS	2,180		100					20		80		
MICH	1,943	144	93	7				16		82		2
MINN	1,273	192	87	13	2/		2/	57		41		2
MISS	373		100							100		
MO	1,071	29	97	3	528	224	70	30	5	92		3
MONT	83		100		2/		2/	2		98		
NEBR	309		100					1		99		
NEV	79		100		2/		2/	9		91		
N H	81		100							100		
N J	368	38	91	9				40		59		1
N Y	2,200	426	84	16				57		40		3
N C	1,769		100							100		
N DAK	122		100							100		
OHIO	3,005	126	96	4				1		98		1
OKLA	405		100	527	9	98	2	9		91		
OREG	525		100	295		100		2		98		
PA	2,740	119	96	4				24		75		1
R I	58	107	35	65						77		23
S C	1,371		100							100		
S DAK								2		98		
TENN	1,454		100	2/		2/		13		87		
TEX	2,920	109	96	4	8,307	793	91	9	1	89		1
UTAH	471		100							100		
VT	2/		2/					1		99		
VA	2/		2/					4		96		
WASH	1,128	273	81	19				6		90		4
W VA	214		100							100		
WIS	684	144	83	17				15		83		2
OTH STS 2/	1,166	25	98	2	1,753	198	90	10				
U S	47,672	2,298	95	5	16,891	1,904	90	10	14	84	1	1

1/ INCLUDES ICE CREAM, ICE MILK, MILK SHERBET, AND MELLORINE. 2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 3/ INCLUDES FREEZER-MADE MILKSHAKE. SEE FOOTNOTES ON TABLE 37. 4/ INCLUDES DISTRICT OF COLUMBIA.

TABLE 46--WHOLE MILK EQUIVALENT USED IN MANUFACTURED DAIRY PRODUCTS: CALCULATED QUANTITIES USED IN SPECIFIED PRODUCTS, ON A WHOLE MILK BASIS, BY STATES, 1977 1/

STATE	BUTTER	CHEESE		EVAPORATED AND	CONDENSED	CONDENSED
		AMERICAN	OTHER THAN AMERICAN	CONDENSED WHOLE MILK CASE	WHOLE MILK (UNSWEETENED) BULK	WHOLE MILK (SWEETENED) BULK
1,000 POUNDS						
ALA						
ARIZ						
ARK		85,887	46,799			
CALIF	3,494,394	122,618	518,841			
COLO	105,465					
CONN			21,621			
DEL						
FLA						
GA						
IDAHO	214,187	644,442	221,124			
ILL	218,916	123,468	648,482			
IND	269,893	277,381	25,159			
IOWA	1,123,197	954,233	526,832			
KANS	367,713	267,152	13,863			
KY	320,244	490,425	112,978			
LA						
MAINE						
MD						
MASS			31,277			
MICH	774,367	188,854	87,995			
MINN	4,574,206	3,530,099	404,034			
MISS		100,745	1,223		22,500	
MO	492,901	504,303	180,444			
MONT	46,039					
NEBR	351,440	315,219	111,868			
NEV						
N H						
N J			61,973			
N MEX						
N Y	857,883	804,517	1,042,674		94,791	
N C						
N DAK	153,014	550,108				
OHIO	808,838	313,267	410,189	285,457		
OKLA	474,548					
OREG	303,534					
PA	712,392	358,459	350,887		81,087	
R I			5,863			
S C						
S DAK	246,415	428,460	117,831			
TENN	469,572	197,468	139,284		811	
TEX	62,670		682			
UTAH	127,921	431,767	192,444			
VT	135,462	174,571	255,082			
VA						
WASH	696,263		61,962			
W VA						
WIS	5,664,840	8,560,226	2,721,417		75,722	134,198
U S 4/	24,396,216	20,472,996	8,385,437	1,808,673	363,096	181,628

SEE FOOTNOTES ON PAGE 65.

TABLE 46--WHOLE MILK EQUIVALENT USED IN MANUFACTURED DAIRY PRODUCTS: CALCULATED QUANTITIES USED IN SPECIFIED PRODUCTS, ON A WHOLE MILK BASIS, BY STATES, 1977 ^{1/}

STATE	DRY WHOLE MILK	ICE CREAM AND OTHER FROZEN PRODUCTS	OTHER MILK PRODUCTS ^{2/}	TOTAL	DUPLICATIONS	NET TOTAL ^{3/}
1,000 POUNDS						
ALA		235,550	28,781	264,331	52,893	211,438
ARIZ		138,796	257,491	396,287	16,323	379,964
ARK		79,288	102,621	314,595	15,342	299,253
CALIF		1,489,468	455,249	6,080,570	264,365	5,816,205
COLO		178,113	40,717	324,295	6,953	317,342
CONN		247,290	219,612	488,073	14,211	473,862
DEL			9,349	9,349	1,230	8,119
FLA		541,339	21,852	563,191	171,624	391,567
GA		136,657	101,175	237,832	25,428	212,404
IDAHO		61,337	75,483	1,216,573	82,566	1,134,007
ILL		664,146	248,212	1,903,224	199,433	1,703,791
IND		424,347	46,836	1,043,616	74,627	968,989
IOWA		190,983	16,413	2,811,658	136,933	2,674,725
KANS		142,755	24,847	816,330	27,212	789,118
KY		100,244	175,844	1,199,735	53,535	1,146,200
LA		182,268	61,744	244,012	10,746	233,266
MAINE		82,977	24,207	107,184	24,749	82,435
MD		302,737	618,619	921,356	97,041	824,315
MASS		714,266	136	745,679	197,913	547,766
MICH		537,859	80,976	1,670,051	69,846	1,600,205
MINN	176,072	419,442	49,646	9,153,499	331,858	8,821,641
MISS		93,424	54,525	272,417	11,167	261,250
MO		334,585	293,577	1,805,810	53,522	1,752,288
MONT		32,272	29,163	107,474	5,213	102,261
NEBR		167,672	59,211	1,005,410	82,708	922,702
NEV		27,948	809	28,757	1,010	27,747
N H		21,368	27	21,395	5,733	15,662
N J		209,703	297	271,973	19,399	252,574
N MEX			52,420	52,420	1,727	50,693
N Y		997,214	494,652	4,291,731	504,574	3,787,157
N C		448,856	114,195	563,051	192,521	370,530
N DAK		43,944	3,436	750,502	56,839	693,663
OHIO		804,648	95,434	2,717,833	151,216	2,566,617
OKLA		170,678	43,128	688,354	28,503	659,851
OREG		133,691	302,032	739,257	29,547	709,710
PA		1,072,903	385,013	2,960,741	119,560	2,841,181
R I		23,479		29,342	6,871	22,471
S C		199,612	853	200,465	79,703	120,762
S DAK		9,384	103,134	905,224	50,851	854,373
TENN		299,251	157,208	1,263,594	67,707	1,195,887
TEX		612,954	267,279	943,585	66,031	877,554
UTAH		125,533	9,745	887,410	103,427	783,983
VT		6,331	17,391	588,837	62,077	526,760
VA		145,491	373,583	519,074	38,549	480,525
WASH		306,639	218,443	1,283,307	36,109	1,247,198
W VA		53,676	3,324	57,000	1,731	55,269
WIS		287,327	425,053	17,868,783	931,777	16,937,006
U S ^{4/}	513,646	13,616,630	1,737,339	71,475,661	4,612,268	66,863,393

^{1/} PRODUCTS MANUFACTURED IN EACH STATE DO NOT NECESSARILY SHOW UTILIZATION OF MILK PRODUCED IN THE STATE, BECAUSE OF INTERSTATE SHIPMENTS OF MILK. NO ADJUSTMENT HAS BEEN MADE FOR SHIPMENTS OF MILK AND CREAM BETWEEN STATES DIFFERING IN THE TEST OF MILK PRODUCED. ^{2/} MILK EQUIVALENT OF OTHER DAIRY PRODUCTS, INCLUDING ITEMS PRODUCED BY LESS THAN 3 PLANTS. THESE ARE INCLUDED IN THE PROPER COLUMNS IN U. S. TOTALS. ^{3/} NET TOTAL ACCOUNTS FOR FAT RECOVERED FROM WHEY CREAM AND USED FOR MAKING BUTTER, AND THE AMOUNT OF FAT FROM BUTTER AND CONDENSED MILK USED IN MAKING ICE CREAM. ^{4/} STATES DO NOT ADD TO U. S. TOTAL, INCLUDES MILK EQUIVALENT FOR STATES NOT SHOWN SEPARATELY.

TABLE 47--SKIM MILK EQUIVALENTS: CALCULATED QUANTITIES USED IN SPECIFIC SKIM MILK AND BUTTERMILK PRODUCTS, BY STATES, 1977 ^{1/}

STATE	COTTAGE CHEESE CURD	SWEETENED CONDENSED SKIM MILK, BULK	UNSWEETENED CONDENSED SKIM MILK, BULK	DRY		OTHER PRODUCTS ^{3/}	TOTAL
				BUTTER- MILK	NONFAT MILK ^{2/}		
1,000 POUNDS							
ALA	12,906						12,906
ARIZ	56,313					49,236	105,549
ARK	6,706						6,706
CALIF	655,238		396,249	16,016	1,991,572	11,778	3,070,853
COLO	67,406					2,607	70,013
CONN	32,031					142,327	174,358
GA	9,575					5,808	15,383
IDAHO	14,594				139,744	8,585	162,923
ILL	184,056					9,422	193,478
IND	126,175					199,238	325,413
IOWA	60,350			35,277	1,123,320	3,414	1,222,361
KANS	88,706					277,255	365,961
KY						107,129	107,129
LA						101,579	101,579
MAINE	93,188					16,527	109,715
MD ^{4/}						606,011	606,011
MASS						213,994	213,994
MICH	219,088		452,820		546,458	29,117	1,247,483
MINN	67,338			156,860	2,522,894	42,519	2,789,611
MO	114,206					67,582	181,788
MONT	14,325						14,325
NEBR	42,694				167,783	14,022	224,499
NEV						3,674	3,674
N MEX	31,406						31,406
N Y	752,100		267,393		577,665	13,871	1,611,029
N C	27,250						27,250
N DAK					68,354	18,596	86,950
OHIO	324,119		95,391	3,861	413,226	57,276	893,873
OKLA	40,856		4,809	17,875	118,855		182,395
OREG	62,650					114,528	177,178
PA	252,913		154,644	4,752	254,859	26,256	693,424
S DAK					498,729	36,603	535,332
TENN	27,863		45,111		151,272	8,902	233,148
TEX	112,275					126,190	238,465
UTAH	37,250					16,900	54,150
VT	100,694					279,301	379,995
VA	33,350					91,606	124,956
WASH	142,088					527,338	669,426
W VA	11,888						11,888
WIS	264,725	92,085	380,577	214,060	1,552,793	55,821	2,560,061
U S ^{5/}	4,397,085	191,214	2,391,651	585,541	12,252,405	115,323	19,933,219

^{1/} 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: COTTAGE CHEESE CURD, 6.25; DRY BUTTERMILK AND NONFAT DRY MILK, 11; DRY CASEIN, 35.7; CASE AND BULK SWEETENED CONDENSED SKIM MILK, BULK UNSWEETENED CONDENSED SKIM MILK, AND CONDENSED OR EVAPORATED BUTTERMILK, 3.0.

^{2/} INCLUDES DRY SKIM MILK FOR ANIMAL FEED.

^{3/} STATE TOTALS INCLUDE ITEMS PRODUCED BY LESS THAN 3 PLANTS. THESE ARE INCLUDED IN THE PROPER COLUMNS IN U. S. TOTALS.

^{4/} INCLUDES DISTRICT OF COLUMBIA.

^{5/} STATES DO NOT ADD TO U. S. TOTAL WHICH INCLUDES MILK EQUIVALENT FOR STATES NOT SHOWN SEPARATELY.

TABLE 48--NET WHOLE MILK EQUIVALENTS USED IN MANUFACTURED DAIRY PRODUCTS: TOTAL AND PERCENTAGE DISTRIBUTION BY MAJOR PRODUCTS, UNITED STATES, 1968-77

YEAR	TOTAL	PERCENTAGE DISTRIBUTION					TOTAL
		BUTTER	ALL WHOLE MILK AND PART SKIM CHEESE	EVAPORATED AND CONDENSED MILK	ICE CREAM AND OTHER FROZEN PRODUCTS	OTHER MILK PRODUCTS	
	MILLION POUNDS						
							PERCENT
1968	59,230	42.1	29.3	6.6	18.5	3.5	100.0
1969	58,228	40.6	30.3	6.6	18.9	3.6	100.0
1970	60,013	39.9	32.6	5.4	18.4	3.7	100.0
1971	61,614	38.8	34.0	5.3	17.8	4.1	100.0
1972	62,319	36.5	36.7	5.0	17.6	4.2	100.0
1973	58,678	31.7	40.2	5.0	18.9	4.2	100.0
1974	61,327	31.5	41.9	4.6	18.2	3.8	100.0
1975	60,524	32.8	39.5	4.5	19.7	3.5	100.0
1976	64,673	30.0	44.5	3.9	18.0	3.6	100.0
1977	66,863	32.7	43.2	3.5	17.3	3.3	100.0

TABLE 49--SKIM MILK EQUIVALENTS OF CERTAIN SKIM-MILK AND BUTTERMILK PRODUCTS, UNITED STATES, 1968-77

YEAR	FULL-SKIM AMERICAN CHEESE	COTTAGE CHEESE CURD	CONDENSED AND EVAPORATED SKIM MILK	NONFAT DRY MILK	CONDENSED AND DRIED BUTTERMILK	TOTAL 1/
	MILLION POUNDS					
1968	57	4,058	2,845	17,835	778	25,748
1969	56	4,246	2,968	16,113	773	24,160
1970	64	4,540	3,048	16,016	671	24,367
1971	55	4,657	3,117	15,719	600	24,203
1972	67	4,901	2,941	13,599	596	22,217
1973	67	4,769	2,682	10,188	510	18,241
1974	2/	4,310	2,195	11,281	547	18,334
1975	2/	4,381	2,278	11,103	546	18,389
1976	2/	4,445	2,349	10,253	578	17,720
1977	2/	4,397	2,607	12,252	677	19,933

1/ INCLUDES OTHER SKIM MILK MINOR PRODUCTS. 2/ DISCONTINUED.

TABLE 50--ICE MILK: PERCENTAGE DISTRIBUTION HARD AND SOFT PRODUCTION, BY MONTHS, BY REGIONS, AND UNITED STATES, 1977

REGION AND KIND	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
	PERCENT												
N ATL HARD	7	6	9	9	10	10	10	10	9	8	6	6	38
N ATL SOFT	3	4	6	9	13	14	16	14	8	6	4	3	62
E N CENT HARD	6	7	9	9	9	11	12	10	9	7	6	5	24
E N CENT SOFT	3	4	8	9	12	13	14	12	9	7	5	4	76
W N CENT HARD	6	7	9	9	10	12	11	11	8	6	6	5	35
W N CENT SOFT	3	5	8	10	12	13	13	12	9	6	5	4	65
S ATL HARD	6	7	9	10	9	10	10	10	10	7	6	6	43
S ATL SOFT	6	6	9	9	10	10	12	10	9	7	6	6	57
S CENT HARD	6	6	9	9	10	12	10	10	10	7	6	5	41
S CENT SOFT	5	6	8	9	10	10	11	11	9	8	7	6	59
WEST HARD	6	7	9	8	9	11	10	10	9	8	7	6	30
WEST SOFT	6	6	8	9	9	11	10	11	9	8	7	6	70
U S 1/ HARD	6	7	9	9	9	11	11	10	9	7	6	6	34
U S 1/ SOFT	4	5	8	9	11	12	12	12	9	7	6	5	66

1/ ALAS AND HAW INCLUDED.

TABLE 51--NUMBER OF DAIRY PLANTS MANUFACTURED ONE OR MORE DAIRY PRODUCTS,
1973-77

STATE	1973	1974	1975	1976	1977
ALA	27	24	23	23	25
ALAS	2	2	2	2	3
ARIZ	15	16	16	15	15
ARK	15	15	14	14	10
CALIF	299	285	277	275	275
COLO	41	36	40	34	33
CONN	43	42	42	36	40
DEL	3	3	2	2	2
FLA	36	36	35	30	28
GA	25	24	23	23	21
HAW	5	5	5	5	5
IDAHO	35	33	32	31	30
ILL	120	112	110	110	100
IND	60	54	53	49	51
IOWA	82	78	69	66	68
KANS	44	38	34	31	30
KY	46	43	43	40	39
LA	30	31	30	29	27
MAINE	25	25	24	24	24
MD 1/	32	29	28	23	20
MASS	69	64	66	59	58
MICH	95	91	83	79	76
MINN	136	122	120	114	109
MISS	19	20	20	21	23
MO	79	64	60	60	50
MONT	36	33	28	28	22
NEBR	46	42	42	41	34
NEV	3	3	3	3	3
N H	15	15	15	15	15
N J	45	38	30	30	30
N MEX	6	6	6	5	6
N Y	203	201	185	181	185
N C	31	30	29	28	27
N DAK	47	44	40	34	34
OHIO	<u>2/</u> 145	<u>2/</u> 135	<u>2/</u> 124	<u>2/</u> 122	118
OKLA	26	24	24	24	24
OREG	35	31	30	30	29
PA	158	145	132	127	125
R I	13	12	15	16	19
S C	10	10	10	10	10
S DAK	35	36	35	34	32
TENN	53	53	42	41	39
TEX	82	75	68	64	59
UTAH	34	28	24	23	22
VT	27	25	25	25	24
VA	30	29	27	27	24
WASH	40	38	39	38	37
W VA	14	13	13	12	12
WIS	584	562	550	530	516
WYO	12	14	14	12	12
U S	<u>2/</u> 3,113	<u>2/</u> 2,934	<u>2/</u> 2,801	<u>2/</u> 2,695	2,620

1/ INCLUDES DISTRICT OF COLUMBIA.

2/ REVISED.

WHOLE MILK USED FOR DAIRY PRODUCTS - HISTORICAL

A historical review of whole milk used in manufactured dairy products is shown in the chart on page 5. Milk utilized for butter has trended downward since 1960 with a low of 18.6 billion pounds in 1973. In 1977, utilization for butter increased, indicating some industry adjustments rather than a change in the general trend. The volume of milk that moved into cheese production continued its trend upward, from 13.4 billion pounds in 1960 to a record 28.9 billion in 1977. Milk for cheese surpassed utilization for butter for the first time in history in 1972 and continued through 1977. Milk utilized for all other dairy products varied only slightly during the 1960-77 period.

MILK USED FOR MANUFACTURED DAIRY PRODUCTS AS PERCENT OF TOTAL MILK MARKETED, 1960-1977

Whole milk (net whole milk equivalents) utilized for manufactured dairy products followed changes in total marketings of milk and cream by producers during the 1960-77 period. The percentage of marketings utilized for dairy products ranged from a low of 50.6 in 1966 to a high of 55.7 in 1977.

WHEY AND MODIFIED WHEY PRODUCTS

The production series for whey products was expanded in January 1975. Data for whey products are shown in tables 5 and 7.

Total dry whey decreased 6 percent during 1977 to 625 million pounds. Dry whey for animal feed dropped 16 percent during 1977 which accounted for the bulk of the total decline in dry whey production. Partially delactosed dry whey for animal feed, at 117 million pounds, was up 19 percent over 1976.

Condensed whey, on a solids basis, decreased 1 percent from a year earlier, while whey solids in wet blends (animal and human) showed a 7 percent decline.

The data for manufactured dairy products in 1977, given in this report, were compiled from reports made by dairy manufacturers direct to the United States Department of Agriculture and through the co-operating State agencies shown below:

<u>STATE</u>	<u>AGENCY</u>	<u>COLLABORATOR OR COOPERATING STATE OFFICIAL</u>
Alabama	State Department of Agriculture and Industries	McMillan Lane, Commissioner
Alaska	Department of Natural Resources State Division of Agriculture	K. Allan Linn, Director
Arkansas	University of Arkansas	J. E. Martin, V. P. Agric.
California	State Department of Food and Agriculture	R. E. Rominger, Director
Colorado	State Department of Agriculture Animal Industry Division	James Banghart, Chief, Dairy Inspection
Florida	Florida Department of Agriculture and Consumer Services	Doyle Conner, Commissioner
Georgia	State Department of Agriculture	Thomas T. Irvine, Commissioner
Hawaii	State Department of Agriculture	John Farias, Jr., Chairman
Idaho	State Department of Agriculture Bureau of Dairying	J. L. Nichols, Chief
Illinois	State Department of Agriculture	John R. Block, Director
Indiana	Agricultural Experiment Station Creamery License Division	P. E. Pritchett, In Charge
Iowa	State Department of Agriculture Dairy Products Control Division	Ray H. Ormond, Supervisor
Kansas	State Board of Agriculture Dairy Division	Brace Rowley, Commissioner
Kentucky	State Department of Agriculture	Thomas O. Harris, Commissioner
Michigan	State Department of Agriculture Dairy Division	Kenneth D. Feighner, Acting Chief
Minnesota	State Department of Agriculture	Bill Walker, Commissioner
Mississippi	State Department of Agriculture and Commerce	Jim Buck Ross, Commissioner
Missouri	State Department of Agriculture	Jack Runyan, Director
Nebraska	State Department of Agriculture	Roger Sandman, Director
Nevada	State Dairy Commission	William X. Smith, Exec. Director
New Jersey	Division of Dairy Industry New Jersey Department of Agriculture	Woodson W. Moffett, Jr., Director
New York	State Department of Agriculture and Markets Division of Dairy Industry Services	Herbert R. Kling, Director
North Carolina	State Milk Commission	Grady Cooper, Jr., Exec. Secy.
North Dakota	State Department of Agriculture Dairy Division	Philip Park, Dairy Commissioner
Ohio	State Department of Agriculture	John M. Stackhouse, Director
Oklahoma	State Department of Agriculture Dairy Division	George Parker, Director
South Carolina	Agricultural Experiment Station Clemson University	W. C. Godley, Director
Tennessee	State Department of Agriculture	Edward S. Porter, Commissioner
Utah	State Department of Agriculture Division of Marketing and Consumer Services	Archie S. Hurst, Director
Virginia	Virginia State Department of Agriculture and Commerce Division of Animal Health and Dairies ...	Dr. G. B. Estes, State Veterinarian
Washington	State Department of Agriculture	Bob J. Michkelson, Director
West Virginia	State Department of Agriculture	Gus R. Douglass, Commissioner
Wisconsin	State Department of Agriculture Trade and Consumer Protection	Dr. Gary E. Rohde, Secy.
Wyoming	State Department of Agriculture	Larry Bourret, Commissioner

