
DAIRY PRODUCTS

ANNUAL SUMMARY 1979



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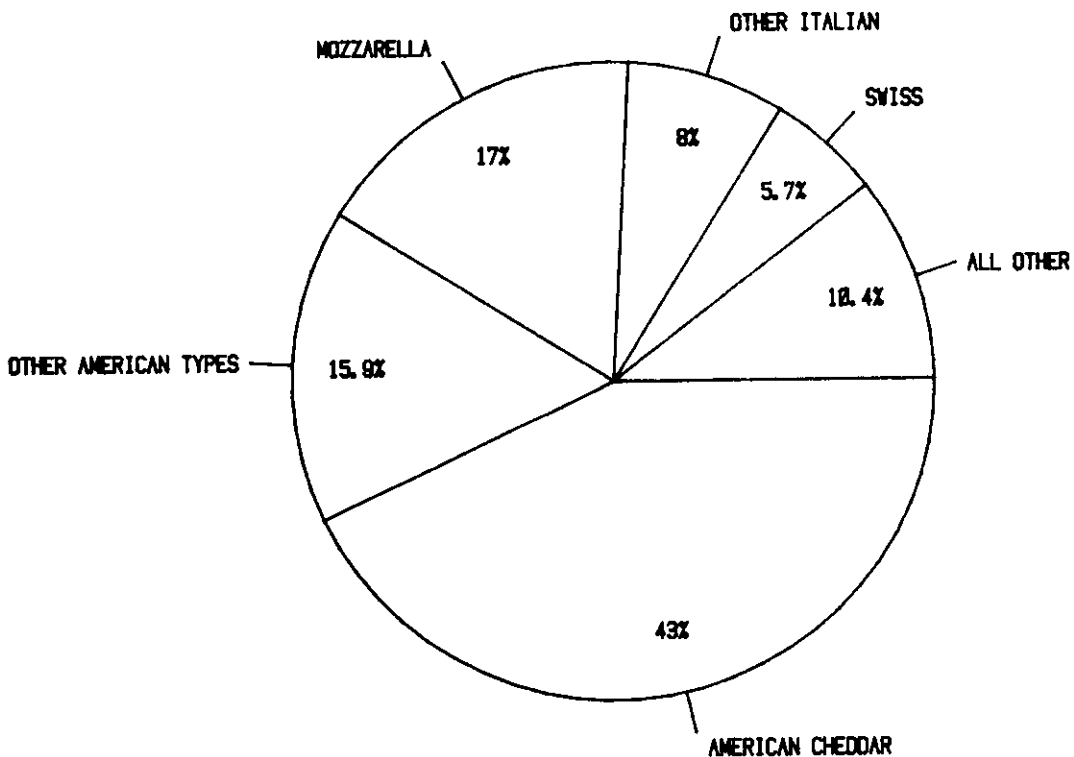
BUTTER PRODUCTION LOWER IN 1979

Production of butter in the United States during 1979 totaled 985 million pounds, down 1 percent from the 994 million pounds produced in 1978. Wisconsin, the leading producing State, turned out 26.0 percent of the total. Minnesota produced 15.7 percent, followed closely by California with 14.9 percent.

CHEESE OUTPUT UP SHARPLY

Total cheese production, excluding cottage cheese, continued its upward trend in 1979 and reached a new record level of 3.72 billion pounds, up 6 percent from the previous record set a year earlier. A slight decline by some of the minor varieties was more than offset by large increases in American, Italian, and Cream cheeses. Wisconsin was by far the leading producer, accounting for 37.7 percent of total cheese production, followed by Minnesota with 12.9, and New York with 8.2 percent.

CHEESE PRODUCTION 1979



American type cheese production, at 2.19 billion pounds, up 5 percent from 1978, accounted for 59 percent of total cheese production in 1979. Cheddar at 1.60 billion pounds increased 6 percent from the 1.51 billion produced in 1978. Other American varieties also showed a substantial 4 percent increase when compared with production the previous year.

Italian varieties continued their steady increase with a record output of 929 million pounds, 6 percent above the 876 million produced in 1978. Mozzarella accounted for 68 percent of the Italian cheese production, followed by Ricotta with 11 percent, Provalone 10 percent, and Parmesan with 7 percent. Wisconsin was by far the leading producer with 33 percent of all Italian cheese production.

TOTAL COTTAGE CHEESE DECREASES

Creamed cottage cheese totaled 838 million pounds, down 4 percent from a year earlier, but lowfat cottage cheese was up 2 percent, partially offsetting this decline.

ALL FROZEN DAIRY PRODUCTS DECLINE

Frozen dairy products (ice cream, ice milk, milk sherbet, mellorine, and others except frozen yogurt) totaled 1.18 billion gallons, 2 percent less than the 1978 production.

Ice Cream production totaled 811 million gallons, down slightly from the 815 million gallons produced in 1978. All other frozen desserts also declined, with ice milk down 4 percent, milk sherbet down 6 percent, mellorine down 4 percent, and "other frozen" down 6 percent.

The 240 million gallons of soft ice cream, ice milk, milk sherbet, and mellorine made during 1979 accounted for about 21 percent of the total frozen products. Ice milk, with 211 million gallons, made up the major portion (88 percent) of soft production. Soft frozen dairy products are sold from direct-serve soft freezer and milk shake machines.

NONFAT DRY MILK DOWN SLIGHTLY

Nonfat dry milk, down sharply most of the year, recovered by year's end with production for 1979 down only 1 percent from that produced in 1978. Dry skim milk for animal feed totaled 6.13 million pounds, down 6 from the previous year, while dry buttermilk also showed a 6 percent decline. Dry whole milk production, however, increased 14 percent over 1978.

WHEY AND MODIFIED WHEY PRODUCTS

Dry whey (excluding modified dry whey products) increased 3 percent in 1979. Both dry whey for human consumption and animal feed showed a similar increase. Partially delactosed dry whey for animal feed, at 96.1 million pounds, declined sharply from the 132 million produced in 1978. This was partially offset by a 21 percent increase in partially delactosed dry whey for human consumption.

WHOLE MILK USED FOR DAIRY PRODUCTS - CURRENT YEAR

Manufactured dairy products used 55.7 percent of the milk marketed in the United States during 1979, up slightly from the 55.4 percent in 1978. Whole milk used for manufactured products, based on milkfat content, totaled 67.5 billion pounds, 2 percent more than the previous year.

The equivalent whole milk used for butter production in 1979 (excluding butter made from whey cream) totaled 19.4 billion pounds. Butter accounted for 29 percent of the total whole milk used for all products during 1979, compared with 30 percent a year earlier.

Whole milk used for cheese, excluding creamed cottage cheese, totaled 31.5 billion pounds, up from the 29.9 billion pounds in 1978. Milk for American and Italian varieties increased substantially, accounting for most of the increased utilization. Whole milk used for cheese production required 47 percent of all milk used for manufacturing dairy products, up 2 percentage points from last year.

TABLE 1: MILK MARKETINGS AND UTILIZATION FOR MANUFACTURED DAIRY PRODUCTS
UNITED STATES, 1960-79

YEAR	MILK MARKETED		YEAR	MILK MARKETED	
	TOTAL	USED FOR DAIRY PRODUCTS		TOTAL	USED FOR DAIRY PRODUCTS
	MIL LBS	PERCENT		MIL LBS	PERCENT
1960	113,951	52.4	1970	112,999	53.1
1961	117,325	54.2	1971	114,814	53.7
1962	118,587	54.1	1972	116,487	53.5
1963	118,144	53.0	1973	112,141	52.3
1964	120,478	53.6	1974	112,385	54.6
1965	118,206	52.3	1975	112,262	53.9
1966	114,440	50.6	1976	117,303	55.1
1967	113,567	52.6	1977	119,856	56.0
1968	112,563	52.6	1978	118,935	55.4
1969	111,793	52.1	1979	121,129	55.7

WHOLE MILK USED IN MANUFACTURED

DAIRY PRODUCTS

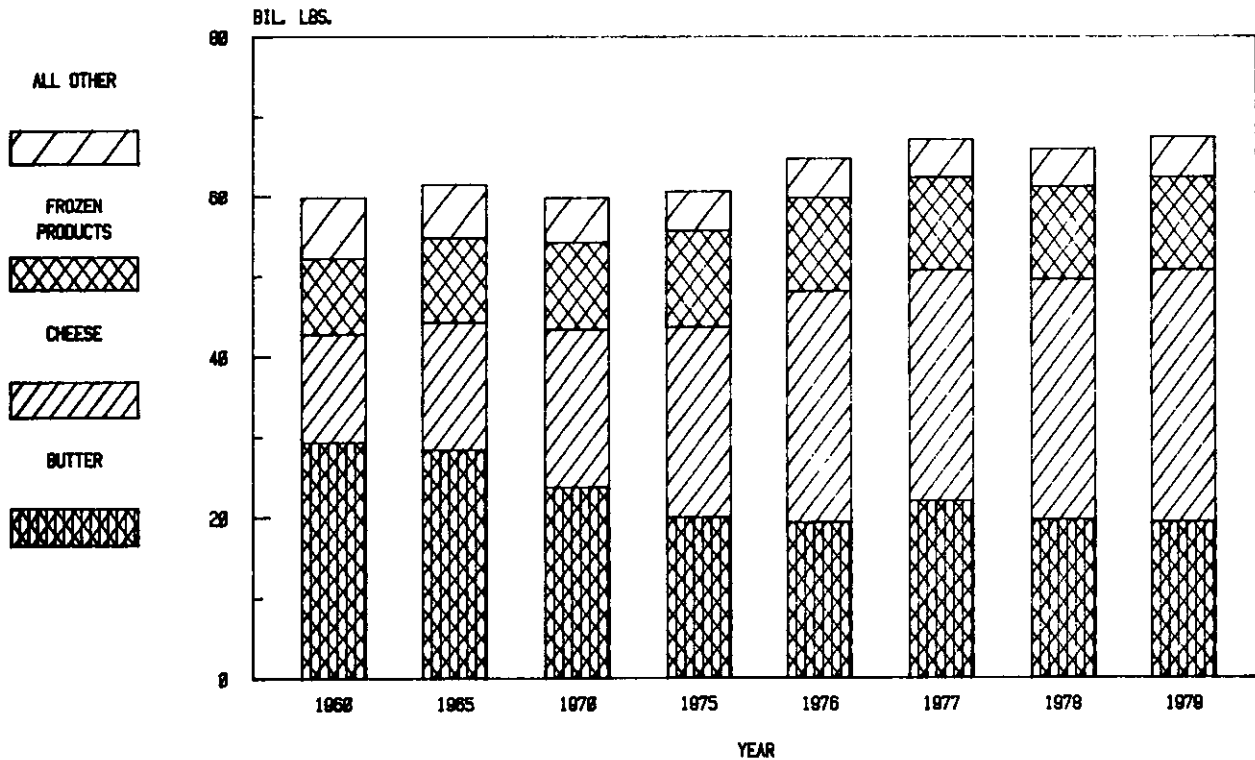


TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1978, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
NUMBER	1,000 POUNDS						
BUTTER	294	107,399	95,469	98,216	97,192	97,559	85,139
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	430	120,500	112,474	132,679	140,703	155,383	155,426
OTHER AMERICAN 1/	226	40,558	41,732	49,889	48,919	53,336	52,618
TOTAL AMER.	507	161,058	154,206	182,568	189,622	208,719	208,044
PART SKIM	3	291	317	641	447	508	255
SWISS	67	16,353	15,276	18,170	18,462	19,745	20,295
MUNSTER	65	4,784	4,095	4,952	4,924	5,038	5,574
BRICK	51	1,498	1,433	1,375	1,400	1,488	1,464
LIMBURGER	5	166	152	182	110	121	69
ITALIAN VARIETIES:							
MOZZARELLA	151	46,824	43,386	52,207	49,530	51,836	49,674
OTHER ITALIAN	133	21,528	21,268	26,698	21,404	24,845	23,394
TOTAL ITALIAN:	192	68,352	64,654	78,905	70,934	76,681	73,068
CREAM	21	11,802	13,200	20,454	10,852	13,249	15,774
NEUFCHATEL	4	479	448	542	436	452	402
BLUE 2/	11	3,210	2,773	3,092	2,984	3,237	3,231
ALL OTHER TYPES 3/	73	3,133	3,402	3,526	3,518	3,668	3,793
TOTAL CHEESE 4/	778	271,126	259,956	314,407	303,689	332,906	331,969
COTTAGE CHEESE:							
CURD 5/	301	54,633	54,744	62,653	58,953	63,625	59,680
CREAMED 6/	298	68,248	69,553	79,105	74,057	80,121	77,022
LOWFAT 7/	159	12,229	11,693	14,339	13,096	14,598	13,748
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	23	56,132	52,858	68,624	69,073	82,804	81,300
EVAPORATED SKIM	7	712	811	1,071	735	872	770
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	15	6,653	6,297	6,115	9,806	8,428	6,823
UNSWEETENED	30	11,308	11,634	13,451	11,887	13,106	13,463
SKIM							
SWEETENED	10	3,825	3,261	3,876	3,624	4,192	4,689
UNSWEETENED	105	50,083	51,359	62,136	66,448	68,475	68,738
CONDENSED OR							
EVAPORATED							
BUTTERMILK	10	2,913	2,934	3,691	4,251	3,425	3,652
DRY MILK:							
DRY WHOLE MILK	25	6,878	5,208	7,417	7,221	8,204	7,185
NONFAT DRY MILK							
FOR HUMAN FOOD	127	76,994	68,667	84,428	94,681	103,611	114,909
DRY SKIM MILK							
FOR ANIMAL FEED:	76	735	388	598	471	748	627
DRY BUTTERMILK	66	5,159	4,476	5,110	4,566	4,491	3,917

SEE FOOTNOTES ON PAGE 7.

TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1978, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
BUTTER	71,440	63,170	64,001	70,576	66,470	77,659	994,290
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	133,977	116,644	102,099	108,783	106,535	120,319	1505,522
OTHER AMERICAN 1/	45,581	48,976	44,277	47,944	44,896	49,954	568,680
TOTAL AMER.	179,558	165,620	146,376	156,727	151,431	170,273	2074,202
PART SKIM	419	483	351	437	382	335	4,866
SWISS	19,251	18,308	16,269	15,244	15,024	16,965	209,362
MUNSTER	4,945	4,954	4,817	5,018	4,819	5,393	59,313
BRICK	1,434	1,444	1,297	1,364	1,231	1,455	16,883
LIMBURGER	93	131	148	147	155	132	1,606
ITALIAN VARIETIES:							
MOZZARELLA	48,119	51,935	50,283	51,937	50,922	52,533	599,186
OTHER ITALIAN	21,551	22,868	21,859	22,121	22,859	26,075	276,470
TOTAL ITALIAN:	69,670	74,803	72,142	74,058	73,781	78,608	875,656
CREAM	11,736	13,886	17,155	19,269	25,867	21,091	194,335
NEUFCHATEL	237	53	55	29	328	459	3,920
BLUE 2/	2,997	2,789	2,749	2,961	2,561	2,763	35,347
ALL OTHER TYPES 3/	3,304	4,038	3,658	4,104	4,105	3,945	44,194
TOTAL CHEESE 4/	293,644	286,509	265,017	279,358	279,684	301,419	3519,684
COTTAGE CHEESE:							
CURD 5/	57,257	61,577	57,077	57,169	53,454	47,577	688,399
CREAMED 6/	73,599	76,636	72,248	71,853	67,658	60,429	870,529
LOWFAT 7/	12,448	13,393	12,923	12,470	11,570	10,632	153,139
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	74,328	68,971	58,979	60,721	53,471	60,605	787,866
EVAPORATED SKIM	511	938	722	635	1,370	1,260	10,407
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	4,838	8,177	7,758	7,031	4,892	3,860	80,678
UNSWEETENED	11,323	14,207	12,220	12,020	11,129	8,994	144,742
SKIM							
SWEETENED	3,256	4,094	4,435	3,722	2,626	3,034	44,634
UNSWEETENED	67,297	67,696	57,553	58,155	49,395	49,874	717,209
CONDENSED OR							
EVAPORATED							
BUTTERMILK	3,647	3,314	3,476	3,282	2,542	2,373	39,500
DRY MILK:							
DRY WHOLE MILK	6,057	5,732	4,745	4,952	5,091	5,927	74,617
NONFAT DRY MILK							
FOR HUMAN FOOD	97,222	75,720	57,542	48,145	42,680	55,823	920,422
DRY SKIM MILK							
FOR ANIMAL FEED:	636	644	653	441	275	272	6,488
DRY BUTTERMILK	3,423	2,950	2,883	3,290	3,275	4,073	47,613

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, 1979

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
BUTTER	276	98,435	86,714	89,773	92,356	99,212	82,991
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	405	123,448	119,962	135,717	141,770	154,443	155,259
OTHER AMERICAN 1/	225	49,624	43,478	50,510	50,861	56,040	54,437
TOTAL AMER.	486	173,072	163,440	186,227	192,631	210,483	209,696
PART SKIM	3	334	332	337	342	218	252
SWISS	66	17,744	16,256	17,281	18,000	20,025	20,616
MUNSTER	64	5,145	4,187	4,793	5,238	5,920	5,471
BRICK	53	1,364	1,102	1,250	1,220	1,192	1,264
LIMBURGER	3	126	117	164	173	127	121
ITALIAN VARIETIES:							
MOZZARELLA	146	50,964	46,777	55,163	54,455	56,250	54,637
OTHER ITALIAN	126	24,192	22,536	26,848	25,802	25,172	25,496
TOTAL ITALIAN:	185	75,156	69,313	82,011	80,257	81,422	80,133
CREAM	21	11,436	9,930	22,799	13,369	12,609	17,627
NEUFCHATEL	4	466	559	790	617	636	239
BLUE 2/	10	3,093	2,745	2,973	2,814	3,022	3,031
ALL OTHER TYPES 3/	81	4,592	4,214	4,399	4,110	4,789	5,332
TOTAL CHEESE 4/	754	292,528	272,195	323,024	318,771	340,443	343,782
COTTAGE CHEESE:							
CURD 5/	287	54,095	51,911	61,166	56,379	61,398	58,171
CREAMED 6/	281	67,737	64,800	77,468	70,013	77,007	73,602
LOWFAT 7/	155	12,355	11,948	14,710	13,280	14,659	13,499
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	21	59,104	58,211	64,925	72,183	81,936	80,338
EVAPORATED SKIM	7	1,539	1,326	1,243	824	1,459	683
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	11	6,279	5,781	7,296	7,478	7,190	7,054
UNSWEETENED	29	11,018	10,154	12,559	13,932	14,004	21,119
SKIM							
SWEETENED	7	3,845	4,028	4,526	3,905	4,026	3,984
UNSWEETENED	94	48,659	47,302	54,366	58,808	65,817	64,748
CONDENSED OR							
EVAPORATED							
BUTTERMILK	12	3,840	3,900	3,942	3,177	3,578	3,839
DRY MILK:							
DRY WHOLE MILK	21	7,114	5,510	7,954	9,532	8,272	7,775
NONFAT DRY MILK							
FOR HUMAN FOOD	112	51,409	53,916	75,456	89,763	108,500	112,014
DRY SKIM MILK							
FOR ANIMAL FEED:	75	249	426	374	670	626	748
DRY BUTTERMILK	61	4,728	4,064	4,460	4,120	4,523	4,505

SEE FOOTNOTES ON PAGE 9.

TABLE 3--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1979

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1978
1,000 POUNDS								
BUTTER	72,523	64,300	60,494	78,006	75,754	84,046	984,604	99.0
CHEESE TYPES:								
AMERICAN VARIETIES:								
CHEDDAR	142,198	130,908	121,358	125,968	117,833	126,889	1,595,753	106.0
OTHER AMERICAN 1/	50,790	49,345	46,373	48,425	43,543	48,524	591,950	104.1
TOTAL AMER.	192,988	180,253	167,731	174,393	161,376	175,413	2,187,703	105.5
PART SKIM	434	419	223	518	436	550	4,395	90.3
SWISS	20,024	18,685	16,404	16,162	15,395	16,691	213,283	101.9
MUNSTER	5,461	5,545	4,877	5,452	5,241	6,281	63,611	107.2
BRICK	1,146	1,177	1,105	1,195	1,210	1,176	14,401	85.3
LIMBURGER	116	145	116	133	94	130	1,562	97.3
ITALIAN VARIETIES:								
MOZZARELLA	53,492	54,020	48,979	54,057	50,691	53,930	633,415	105.7
OTHER ITALIAN	23,649	24,471	22,735	24,970	23,481	26,323	295,675	106.9
TOTAL ITALIAN:	77,141	78,491	71,714	79,027	74,172	80,253	929,090	106.1
CREAM	13,135	15,791	21,345	23,181	24,735	21,113	207,070	106.6
NEUFCHATEL	248	519	237	327	254	330	5,222	133.2
BLUE 2/	3,126	3,095	2,752	2,797	2,652	2,528	34,628	98.0
ALL OTHER TYPES 3/	4,941	4,863	4,164	4,797	3,919	4,205	54,325	122.9
TOTAL CHEESE 4/	318,760	308,983	290,668	307,982	289,484	308,670	3,715,290	105.6
COTTAGE CHEESE:								
CURD 5/	56,050	57,517	52,370	56,655	50,480	47,815	664,007	96.5
CREAMED 6/	72,198	73,599	66,250	71,236	63,834	60,027	837,771	96.2
LOWFAT 7/	13,155	13,879	12,884	13,380	11,868	10,973	156,590	102.3
CANNED MILK:								
EVAPORATED AND COND. WHOLE 8/	71,861	67,703	62,203	59,786	58,608	59,218	796,076	101.0
EVAPORATED SKIM	922	1,406	1,234	1,042	1,061	1,436	14,175	136.2
BULK CONDENSED MILK:								
WHOLE								
SWEETENED	5,764	8,473	7,156	7,884	6,274	4,654	81,283	100.8
UNSWEETENED	10,951	13,603	12,765	15,040	10,286	10,253	155,684	107.6
SKIM								
SWEETENED	3,439	4,265	4,252	4,171	3,166	2,920	46,527	104.2
UNSWEETENED	67,790	67,666	59,844	53,212	48,150	50,531	686,893	95.8
CONDENSED OR EVAPORATED BUTTERMILK	2,761	2,697	2,588	2,472	4,261	3,834	40,889	103.5
DRY MILK:								
DRY WHOLE MILK	6,574	7,628	5,553	5,716	7,305	6,387	85,320	114.3
NONFAT DRY MILK								
FOR HUMAN FOOD	95,378	79,844	55,944	58,278	56,345	71,866	908,713	98.7
DRY SKIM MILK								
FOR ANIMAL FEED:	748	520	418	522	367	461	6,129	94.5
DRY BUTTERMILK	3,494	2,746	2,854	2,590	2,962	3,625	44,671	93.8

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, 1978, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	1,062	52,973	56,804	70,965	65,205	73,643	85,321
ICE MILK 1/ 2/	670	15,589	17,779	25,709	26,516	32,498	36,385
MILK SHERBET 1/	744	2,947	2,705	4,044	4,047	4,745	6,017
OTHER FROZEN							
DAIRY PRODUCTS 1/	101	552	714	1,132	1,339	1,658	1,904
MELLORINE TYPE							
FROZEN DESSERTS 1/	101	1,009	1,062	1,547	1,577	1,664	1,835
WATER ICES 1/	263	1,516	1,862	3,061	3,503	3,965	5,200
MIX FOR PRODUCTS:							
ICE CREAM MIX	793	27,371	28,833	36,579	33,426	38,350	44,130
ICE MILK MIX 3/	790	9,668	10,670	15,741	16,251	20,462	22,552
MILK SHERBET MIX	566	2,035	1,818	2,687	2,655	3,120	3,967
MELLORINE MIX	114	560	594	876	914	905	1,055

SEE FOOTNOTES ON PAGE 11.

TABLE 5--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1978, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	26	9,399	8,827	10,442	9,265	9,971	10,716
ANIMAL FEED	10	2,044	1,737	2,189	2,293	2,209	2,656
ACID TYPE:							
HUMAN FOOD AND							
ANIMAL FEED	4	431	475	401	449	400	336
TOTAL COND.	34	11,874	11,039	13,032	12,007	12,580	13,708
DRY WHEY:							
HUMAN FOOD	60	42,638	41,310	46,102	45,683	48,238	48,723
ANIMAL FEED	87	9,771	11,782	16,440	21,028	23,098	21,207
TOTAL DRY	105	52,409	53,092	62,542	66,711	71,336	69,930
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	10	2,655	2,579	3,141	3,208	3,051	2,743
ANIMAL FEED	14	10,665	10,908	11,964	11,274	11,832	11,490
PART DEMINERALIZE:							
HUMAN FOOD	3	2,642	2,340	2,821	2,348	2,602	2,748
ANIMAL FEED 2/							
PART DELACTOSED							
& DEMINERALIZED							
HUMAN FOOD	6	859	676	826	746	854	861
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	17	8,784	9,071	10,636	8,867	10,781	10,836
ANIMAL FEED	3	191	294	818	492	520	652
TOTAL LACTOSE:	19	8,975	9,365	11,454	9,359	11,301	11,488
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	12	2,143	2,352	3,190	3,021	3,249	3,548
ANIMAL FEED	7	5,139	5,562	4,545	4,063	4,894	5,016

SEE FOOTNOTES ON PAGE 11.

TABLE 4--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, 1978, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 GALLONS							
FROZEN PRODUCTS:							
ICE CREAM	79,535	84,224	71,847	65,276	57,387	52,180	815,360
ICE MILK 2/	35,370	35,267	27,234	23,279	18,569	15,868	310,063
MILK SHERBET	5,286	5,151	4,005	3,504	2,881	2,702	48,034
OTHER FROZEN							
DAIRY PRODUCTS	1,705	1,336	908	695	526	367	12,836
MELLORINE TYPE							
FROZEN DESSERTS	1,626	1,654	1,366	1,251	916	757	16,264
WATER ICES	4,814	4,059	2,287	1,550	1,183	965	33,965
MIX FOR PRODUCTS:							
ICE CREAM MIX	41,096	43,261	36,248	33,256	29,055	26,420	418,025
ICE MILK MIX 3/	21,926	21,832	16,765	14,509	11,720	10,133	192,229
MILK SHERBET MIX	3,518	3,460	2,653	2,365	1,908	1,740	31,926
MELLORINE MIX	940	954	773	766	551	390	9,278

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, 1978, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	8,751	9,947	8,916	9,287	8,133	9,069	112,723
ANIMAL FEED	2,436	2,472	2,511	3,025	2,033	2,036	27,641
ACID TYPE:							
HUMAN FOOD AND							
ANIMAL FEED	170	343	215	257	292	291	4,060
TOTAL COND.	11,357	12,762	11,642	12,569	10,458	11,396	144,424
DRY WHEY:							
HUMAN FOOD	42,627	41,500	36,298	38,595	39,326	44,026	515,066
ANIMAL FEED	18,391	16,680	16,996	12,614	13,285	15,132	196,424
TOTAL DRY	61,018	58,180	53,294	51,209	52,611	59,158	711,490
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	2,030	2,597	2,150	2,994	3,167	3,338	33,653
ANIMAL FEED	10,784	11,763	11,119	10,445	10,661	9,260	132,165
PART DEMINERALIZE:							
HUMAN FOOD	2,706	2,596	2,998	1,328	2,536	2,700	30,365
ANIMAL FEED 2/							
PART DELACTOSED							
& DEMINERALIZED							
HUMAN FOOD	551	610	466	908	735	709	8,801
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	9,453	8,669	7,722	8,086	7,958	8,365	109,228
ANIMAL FEED	501	499	400	404	224	305	5,300
TOTAL LACTOSE	9,954	9,168	8,122	8,490	8,182	8,670	114,528
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	2,684	2,772	3,199	3,170	2,628	2,976	34,932
ANIMAL FEED	5,122	5,481	4,876	5,709	5,663	5,078	61,148

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, 1979

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	990	55,244	56,154	69,753	67,515	73,510	80,203
ICE MILK 1/ 2/	604	16,940	17,742	25,541	25,568	30,591	32,710
MILK SHERRET 1/	690	2,950	2,569	3,638	3,960	4,420	5,112
OTHER FROZEN							
DAIRY PRODUCTS 1/	108	592	737	1,080	1,297	1,389	1,506
MELLORINE TYPE							
FROZEN DESSERTS 1/	89	960	1,157	1,417	1,397	1,561	1,663
WATER ICES 1/	234	1,395	1,974	2,763	3,128	4,086	4,730
MIX FOR PRODUCTS:							
ICE CREAM MIX	733	28,093	28,685	35,158	34,678	37,875	41,277
ICE MILK MIX 3/	753	9,901	10,342	15,684	15,868	19,323	20,583
MILK SHERRET MIX	529	1,922	1,675	2,443	2,604	2,850	3,363
MELLORINE MIX	106	558	678	807	778	904	922

SEE FOOTNOTES ON PAGE 13.

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1979

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	23	6,298	6,668	4,747	5,386	6,000	5,874
ANIMAL FEED	11	2,271	2,963	2,236	2,241	2,278	1,975
ACID TYPE:							
HUMAN FOOD AND							
ANIMAL FEED	4	123	77	71	92	104	72
TOTAL COND.	34	8,692	9,708	7,054	7,719	8,382	7,922
DRY WHEY:							
HUMAN FOOD	59	44,550	42,640	46,532	48,625	50,455	50,906
ANIMAL FEED	83	18,416	16,023	19,749	19,961	21,791	22,428
TOTAL DRY	99	62,966	58,663	66,281	68,586	72,246	73,334
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	11	3,501	3,282	4,115	3,704	3,878	3,648
ANIMAL FEED	11	8,131	8,180	7,554	7,457	7,605	7,868
PART DEMINERALIZE:							
HUMAN FOOD	3	3,307	2,746	3,270	2,283	2,390	2,725
ANIMAL FEED 2/							
PART DELACTOSED							
& DEMINERALIZED:							
HUMAN FOOD	6	492	746	761	879	1,023	932
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	17	8,346	7,028	8,356	7,942	8,310	9,785
ANIMAL FEED	3	291	747	1,018	925	886	923
TOTAL LACTOSE:	19	8,637	7,775	9,374	8,867	9,196	10,708
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	15	3,208	2,824	3,629	3,709	3,421	3,086
ANIMAL FEED	8	5,263	5,034	4,632	4,871	5,129	5,083

SEE FOOTNOTES ON PAGE 13.

TABLE 6--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, TO 1979

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1978
1,000 GALLONS								
FROZEN PRODUCTS:								
ICE CREAM	79,771	84,110	70,089	66,972	55,873	51,885	811,079	99.5
ICE MILK 2/	32,571	33,334	25,757	22,588	17,770	15,696	296,808	95.7
MILK SHERBET	5,069	4,980	3,707	3,285	2,705	2,661	45,056	93.8
OTHER FROZEN								
DAIRY PRODUCTS	1,350	1,367	1,013	722	522	459	12,034	93.8
MELLORINE TYPE								
FROZEN DESSERTS	1,607	1,628	1,286	1,190	973	733	15,572	95.7
WATER ICES	4,414	4,000	1,995	1,613	1,105	848	32,051	94.4
MIX FOR PRODUCTS:								
ICE CREAM MIX	41,433	42,980	35,610	33,798	28,019	25,879	413,485	98.9
ICE MILK MIX 3/	20,664	21,153	16,236	14,262	11,299	10,025	185,340	96.4
MILK SHERBET MIX	3,276	3,283	2,406	2,182	1,724	1,672	29,400	92.1
MELLORINE MIX	869	938	680	737	570	453	8,894	95.9

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, 1979

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1978
1,000 POUNDS								
CONDENSED WHEY								
SOLIDS CONTENT 1/								
SWEET TYPE:								
HUMAN FOOD	5,232	7,471	6,258	5,580	6,302	6,378	72,194	64.0
ANIMAL FEED	2,674	2,213	1,769	2,326	1,467	2,064	26,478	95.8
ACID TYPE:								
HUMAN FOOD AND								
ANIMAL FEED	112	91	67	125	97	122	1,153	28.4
TOTAL COND.	8,018	9,775	8,094	8,031	7,866	8,564	99,825	69.1
DRY WHEY:								
HUMAN FOOD	47,150	43,519	39,482	39,000	36,506	40,089	529,454	102.8
ANIMAL FEED	19,742	16,424	13,890	12,320	11,362	11,381	203,487	103.6
TOTAL DRY	66,892	59,943	53,372	51,320	47,868	51,470	732,941	103.0
MODIFIED								
DRY WHEY PRODUCTS								
PART DELACTOSED								
HUMAN FOOD	3,052	3,044	3,201	3,050	3,001	3,152	40,628	120.7
ANIMAL FEED	7,799	7,919	7,901	8,475	8,195	9,064	96,148	72.7
PART DEMINERALIZE:								
HUMAN FOOD	1,961	2,511	2,602	2,282	2,089	2,268	30,434	100.2
ANIMAL FEED 2/								
PART DELACTOSED & DEMINERALIZED								
HUMAN FOOD	994	934	606	790	713	718	9,588	108.9
ANIMAL FEED 2/								
LACTOSE								
HUMAN FOOD	9,110	8,433	7,785	8,028	7,843	7,695	98,661	90.3
ANIMAL FEED	925	950	895	785	1,094	1,099	10,538	198.8
TOTAL LACTOSE	10,035	9,383	8,680	8,813	8,937	8,794	109,199	95.3
WHEY SOLIDS IN								
WET BLENDS								
HUMAN FOOD	2,633	3,562	2,974	3,783	3,346	3,187	39,362	112.7
ANIMAL FEED	5,348	5,090	4,581	7,128	6,019	5,277	63,455	103.8

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, 1979 AND ANNUAL 1978 AND 1979

1979									
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 POUNDS									
CALIF	13,706	11,204	10,475	12,369	12,422	11,564	12,035	12,784	
COLO	709	726	523	425	350	199	96	161	
IDAHO	688	460	635	709	740	611	791	512	
ILL	293	301	319	247	349	295	271	270	
IND	1,222	861	1,042	845	982	793	789	399	
IOWA	1,875	1,821	2,370	3,126	3,666	2,631	1,507	823	
KANS	1,378	1,004	900	958	1,233	1,146	1,057	829	
KY									
MICH	2,463	2,540	2,817	3,340	3,569	2,950	2,055	2,052	
MINN	14,817	13,528	15,731	15,145	15,766	15,025	12,332	11,478	
MO	2,707	2,081	2,144	2,291	2,325	1,459	1,394	1,144	
MONT	240	180	158	142	147	111	105	102	
N Y	3,549	3,329	3,438	4,774	4,885	3,460	2,089	1,629	
N DAK	626	607	635	639	698	640	538	511	
OHIO	2,991	2,696	2,555	2,420	2,721	2,121	1,848	1,132	
OKLA	3,330	2,928	2,407	1,800	1,574	1,004	521	614	
OREG	1,416	1,233	1,305	1,241	1,405	1,119	991	939	
PA	4,483	3,939	4,381	4,547	5,479	4,198	3,731	2,972	
S DAK	1,052	942	1,031	1,056	1,121	978	841	845	
TENN	3,047	2,786	2,375	2,335	2,026	1,102	494	356	
UTAH	705	529	336	303	349	347	386	375	
VT	860	684	395	607	516	203	86	106	
WASH	2,662	2,055	2,641	2,855	3,319	3,025	3,176	2,837	
WIS	24,303	22,045	23,935	23,436	25,921	22,495	19,454	16,000	
OTHER 1/	9,313	8,235	7,225	6,746	7,649	5,515	5,936	5,430	
U S	98,435	86,714	89,773	92,356	99,212	82,991	72,523	64,300	

TABLE 9--SWISS CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

1979									
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 POUNDS									
ILL	4,029	3,972	4,033	4,184	4,691	4,856	4,888	4,679	
OHIO	2,569	2,489	2,686	2,630	3,331	3,350	3,291	3,212	
PA	1,118	1,061	821	1,028	1,118	1,036	714	466	
UTAH 2/	1,702	1,485	1,738	1,714	1,886	1,859	1,956	1,845	
WIS	3,002	2,370	2,989	3,096	3,106	3,133	3,281	3,342	
OTHER 1/	5,324	4,879	5,014	5,348	5,893	6,382	5,894	5,141	
U S	17,744	16,256	17,281	18,000	20,025	20,616	20,024	18,685	

SEE FOOTNOTES ON PAGE 15.

TABLE 8--BUTTER
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	12,167	12,739	12,251	13,251	21	138,935	20	146,967
COLO	267	476	428	491	3	5,091	3	4,851
IDAHO	468	580	646	676	6	7,214	7	7,516
ILL	253	314	275	308	6	3,709	5	3,495
IND	507	999	969	1,068	7	12,263	6	10,476
IOWA	759	813	822	1,948	12	35,268	9	22,161
KANS 2/ KY 1/	770	834	705	1,048	2	13,103	2	11,862
MICH	1,861	3,019	2,356	2,815	12	28,455	10	31,837
MINN	9,133	10,450	9,960	11,507	42	170,575	38	154,872
MO	1,347	1,720	1,655	1,993	3	21,921	3	22,260
MONT	117	175	166	153	9	1,947	8	1,796
N Y	1,802	2,493	2,246	2,157	24	35,231	22	35,851
N DAK	387	415	426	374	11	6,099	10	6,496
OHIO	1,299	2,250	1,801	1,994	8	29,935	7	25,828
OKLA	633	1,557	1,764	675	3	24,022	3	18,807
OREG	1,033	1,120	942	1,061	10	14,280	11	13,805
PA	2,581	4,326	3,635	4,542	11	38,412	11	48,814
S DAK	755	868	847	860	10	10,188	10	11,196
TENN	900	1,941	2,180	2,155	4	20,675	4	21,697
UTAH	320	352	446	441	6	4,654	6	4,889
VT	126	346	122	321	4	5,018	4	4,372
WASH	2,614	3,007	2,703	3,116	12	29,751	12	34,010
WIS	15,631	20,162	20,877	21,641	36	249,822	35	255,900
OTHER 1/	4,764	7,050	7,532	9,451	30	73,849	30	84,846
U S	60,494	78,006	75,754	84,046	294	994,290	276	984,604

TABLE 9--SWISS CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ILL	3,588	3,465	3,755	3,852	10	47,730	9	49,992
OHIO	2,864	3,298	2,782	2,834	17	33,695	17	35,336
PA	414	379	340	366	6	10,145	6	8,861
UTAH 2/	1,807	1,805	1,696	1,751	2	19,991	2	21,244
WIS	2,948	2,685	2,386	2,955	21	38,131	22	35,293
OTHER 1/	4,783	4,530	4,436	4,933	11	59,670	10	62,557
U S	16,404	16,162	15,395	16,691	67	209,362	66	213,283

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, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ARK	1,488	1,147	1,173	1,538	1,891	1,782	1,661	1,699
CALIF	10,766	10,342	12,548	11,843	12,228	12,026	12,778	13,592
CONN	678	645	735	642	579	597	505	401
IDAHO	6,503	6,240	8,340	7,063	7,846	9,718	8,629	8,403
ILL	7,786	7,392	8,114	8,066	8,933	8,934	8,814	8,765
IND	2,260	1,961	2,751	3,159	3,882	3,965	3,759	3,486
IOWA	15,750	14,283	16,856	14,864	16,235	17,026	16,053	15,497
KANS	1,688	1,730	2,088	2,212	2,424	2,448	2,175	1,839
KY	4,587	4,387	4,725	5,767	6,487	6,358	6,500	6,038
MASS	568	591	860	958	474	453	382	344
MICH	2,179	1,804	2,501	2,547	2,878	2,940	2,884	2,778
MINN	44,349	39,287	42,701	41,406	42,864	41,778	39,018	35,746
MISS	453	428	1,083	1,726	1,352	1,034	406	376
MO	5,762	5,692	8,187	7,846	7,727	7,690	7,302	7,386
NEBR	5,634	4,786	5,465	5,486	6,610	6,587	5,959	6,264
N J	2,048	1,870	2,818	2,021	1,873	1,876	1,631	1,936
N Y	23,870	21,906	29,556	26,553	26,800	27,624	23,720	24,143
N DAK	3,521	3,222	3,788	3,958	4,452	4,786	4,641	3,920
OHIO	7,496	6,539	8,029	8,007	9,179	9,254	8,561	8,246
OREG	2,166	2,148	2,516	2,716	2,913	3,055	2,982	2,998
PA	8,416	7,639	8,150	9,128	9,091	8,406	7,886	7,574
S DAK	5,993	5,398	6,227	6,038	6,446	6,675	6,180	5,405
TENN	2,342	2,158	2,624	3,125	3,075	2,897	2,852	2,623
TEX 1/								
UTAH	4,209	3,792	4,513	5,251	6,108	6,280	6,321	5,789
VT	5,798	5,375	6,027	6,049	6,725	6,711	6,382	5,922
VA 2/	366	438	452	562	633	580	526	456
WASH	3,626	3,169	5,032	3,778	4,185	4,007	4,070	4,112
WIS	108,415	103,987	119,563	119,451	129,823	131,391	121,023	119,063
OTHER 1/	3,811	3,839	5,602	7,011	6,730	6,904	5,160	4,182
U S	292,528	272,195	323,024	318,771	340,443	343,782	318,760	308,983

TABLE 11--BRICK CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
WIS	916	800	901	896	775	909	855	882
OTHER 1/	448	302	349	324	417	355	291	295
U S	1,364	1,102	1,250	1,220	1,192	1,264	1,146	1,177

SEE FOOTNOTES ON PAGE 17.

TABLE 10--TOTAL CHEESE, EXCLUDING COTTAGE CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ARK	1,223	1,052	945	1,121	4	15,543	4	16,720
CALIF	12,093	13,954	14,887	14,745	33	136,956	32	151,802
CONN	373	384	319	366	9	6,502	8	6,224
IDAHO	9,698	8,665	8,243	8,651	14	92,811	14	97,999
ILL	7,536	7,583	7,243	7,802	24	90,213	24	96,968
IND	3,121	3,156	2,688	3,351	5	31,245	5	37,539
IOWA	14,427	16,965	16,776	15,533	16	178,951	14	190,265
KANS	1,285	1,572	1,686	2,244	10	25,616	11	23,391
KY	5,450	5,163	4,570	4,888	12	67,218	11	64,920
MASS	388	383	438	416	12	7,780	12	6,255
MICH	2,949	2,818	2,254	2,556	15	32,347	16	31,088
MINN	35,191	37,800	38,185	41,627	31	451,569	31	479,952
MISS	300	290	375	813	4	9,789	4	8,636
MO	8,571	8,684	8,395	9,008	14	85,297	11	92,250
NEBR	5,447	6,072	5,665	5,769	13	59,245	13	69,744
N J	2,064	2,704	2,326	2,402	7	21,788	7	25,569
N Y	23,421	26,127	25,138	25,622	49	282,927	47	304,480
N DAK	3,316	3,085	3,012	3,251	13	49,776	11	44,952
OHIO	6,737	8,205	7,424	7,470	23	87,848	23	95,147
OREG	2,686	2,622	2,518	2,567	5	27,439	5	31,887
PA	6,693	7,298	6,362	7,265	23	95,617	23	93,908
S DAK	4,977	5,833	5,325	5,613	17	63,604	16	70,110
TENN	2,273	2,148	1,924	2,451	10	30,390	9	30,492
TEX 1/					4	12,177		
UTAH	5,266	5,147	4,848	5,304	10	60,464	10	62,828
VT	5,127	5,784	5,386	5,940	13	67,388	11	71,226
VA 2/	371	401	302	410	1	5,234	1	5,497
WASH	3,443	3,686	3,548	3,618	8	40,836	7	46,274
WIS	113,299	117,247	105,222	112,345	353	1,332,005	346	1,400,829
OTHER 1/	2,943	3,154	3,480	5,522	26	51,109	28	58,338
U S	290,668	307,982	289,484	308,670	778	3,519,684	754	3,715,290

TABLE 11--BRICK CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
WIS	895	834	862	825	33	11,990	34	10,350
OTHER 1/	210	361	348	351	18	4,893	19	4,051
U S	1,105	1,195	1,210	1,176	51	16,883	53	14,401

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 12--TOTAL AMERICAN TYPE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ARK 2/	:	:	:	:	:	:	:	:
CALIF	: 1,155	: 1,023	: 1,437	: 1,672	: 1,658	: 1,757	: 1,841	: 1,793
IDAHO	: 5,298	: 5,138	: 5,553	: 5,425	: 5,995	: 7,032	: 6,429	: 6,348
ILL	: 419	: 389	: 418	: 447	: 485	: 519	: 466	: 444
IND	: 2,260	: 1,961	: 2,751	: 3,159	: 3,882	: 3,965	: 3,759	: 3,486
IOWA	: 8,655	: 7,572	: 7,918	: 7,798	: 8,580	: 8,996	: 8,328	: 8,139
KANS	: 1,511	: 1,566	: 1,890	: 2,028	: 2,296	: 2,276	: 2,017	: 1,658
KY	: 2,885	: 2,740	: 3,373	: 3,970	: 4,717	: 4,713	: 4,360	: 4,245
MICH	: 1,401	: 1,102	: 1,567	: 1,664	: 1,947	: 2,008	: 1,978	: 1,849
MINN	: 39,119	: 34,192	: 36,707	: 36,205	: 38,213	: 36,195	: 33,717	: 30,608
MISS	: 436	: 411	: 1,066	: 1,709	: 1,335	: 1,017	: 389	: 359
MO	: 3,264	: 3,004	: 3,399	: 4,165	: 4,901	: 4,476	: 4,322	: 3,969
NEBR	: 1,721	: 1,474	: 1,770	: 1,593	: 1,833	: 1,722	: 1,684	: 1,685
N Y	: 7,061	: 6,947	: 7,616	: 8,372	: 9,454	: 9,016	: 8,700	: 7,266
N DAK	: 3,521	: 3,222	: 3,788	: 3,958	: 4,452	: 4,786	: 4,641	: 3,920
OHIO	: 2,767	: 2,140	: 2,481	: 3,482	: 4,007	: 3,767	: 3,218	: 2,820
OREG	: 2,156	: 2,141	: 2,505	: 2,693	: 2,907	: 3,020	: 2,954	: 2,971
PA 2/	:	:	:	:	:	:	:	:
S DAK	: 4,088	: 3,675	: 4,338	: 4,197	: 4,563	: 4,684	: 4,342	: 3,739
TENN	: 1,675	: 1,605	: 1,963	: 2,330	: 2,234	: 2,029	: 1,565	: 1,672
UTAH	: 2,496	: 2,276	: 2,759	: 3,521	: 4,204	: 4,394	: 4,350	: 3,923
VT	: 1,767	: 1,737	: 1,740	: 1,757	: 1,952	: 2,288	: 2,085	: 1,989
VA 3/	: 366	: 438	: 452	: 562	: 633	: 580	: 526	: 456
WASH	: 2,341	: 2,134	: 3,775	: 2,361	: 2,822	: 2,853	: 2,668	: 2,973
WIS	: 70,504	: 70,669	: 79,396	: 80,181	: 88,140	: 88,955	: 81,442	: 77,879
OTHER 2/	: 6,206	: 5,882	: 7,563	: 9,382	: 9,271	: 8,648	: 7,207	: 6,062
U S	: 173,072	: 163,440	: 186,227	: 192,631	: 210,483	: 209,696	: 192,988	: 180,253

TABLE 13--MUNSTER CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ILL	: 360	: 306	: 318	: 331	: 477	: 394	: 391	: 392
WIS	: 4,085	: 3,426	: 3,861	: 4,169	: 4,538	: 4,317	: 4,241	: 4,293
OTHER 2/	: 700	: 455	: 614	: 738	: 905	: 760	: 829	: 860
U S	: 5,145	: 4,187	: 4,793	: 5,238	: 5,920	: 5,471	: 5,461	: 5,545

SEE FOOTNOTES ON PAGE 19.

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978	1979	1978	1979
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
ARK 2/					4	8,758		
CALIF	1,647	2,717	3,288	3,545	13	15,372	15	23,533
IDAHO	6,653	6,049	5,695	6,461	13	67,981	13	72,076
ILL	704	812	380	375	9	6,688	9	5,858
IND	3,121	3,156	2,688	3,351	4	28,418	5	37,539
IOWA	7,275	7,867	6,833	7,477	13	91,301	11	95,438
KANS	1,127	1,210	1,240	1,854	9	23,683	9	20,675
KY	3,620	3,305	2,797	3,074	8	44,441	8	43,799
MICH	2,045	1,649	1,455	1,645	9	20,796	10	20,310
MINN	30,436	32,933	33,906	37,073	20	381,597	21	419,304
MISS	283	273	358	796	4	9,609	4	8,432
MO	3,595	4,019	3,730	3,751	13	49,921	9	46,595
NEBR	1,344	1,528	1,387	1,308	8	29,448	6	19,049
N Y	6,454	6,567	5,558	4,510	16	81,766	15	87,523
N DAK	3,316	3,085	3,012	3,251	13	49,776	11	44,952
OHIO	1,683	2,162	1,925	2,461	7	29,880	7	32,913
OREG	2,664	2,590	2,493	2,540	5	27,310	5	31,634
PA 2/					3	35,406		
S DAK	3,507	3,926	3,701	3,946	15	42,727	14	48,706
TENN	1,338	1,242	1,151	1,475	9	18,892	8	20,279
UTAH	3,434	3,311	3,115	3,541	10	40,315	10	41,326
VT	1,628	1,727	1,628	2,008	9	22,845	7	22,306
VA 3/	371	401	302	410	1	5,234	1	5,497
WASH	2,263	2,423	2,312	2,348	5	23,938	5	31,273
WIS	74,036	76,104	67,786	71,209	268	877,226	259	926,301
OTHER 2/	5,187	5,337	4,636	7,004	19	40,874	24	82,385
U S	167,731	174,393	161,376	175,413	507	2,074,202	486	2,187,703

TABLE 13--MUNSTER CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978	1979	1978	1979
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
ILL	365	390	362	493	5	4,669	5	4,579
WIS	3,894	4,348	4,291	5,047	51	46,950	49	50,510
OTHER 2/	616	714	588	741	9	7,694	10	8,522
U S	4,877	5,452	5,241	6,281	65	59,313	64	63,611

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

TABLE 14--CHEDDAR CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	418	343	647	572	619	826	867	779
IDAHO	2,367	2,538	2,605	2,158	2,611	3,177	3,045	3,364
ILL	5	81	15	32	69	132	152	75
IOWA 1/								
MICH 1/	207	258	582	329	442	419	531	484
MINN	28,871	26,056	26,915	26,730	27,705	26,759	24,695	22,114
MISS	436	411	1,066	1,709	1,335	1,017	389	359
MO	2,574	2,384	2,718	3,585	4,200	3,857	3,571	3,237
NEBR	239	347	402	160	19	151	386	111
N Y	6,695	6,585	7,173	7,937	9,020	8,454	8,120	6,748
N DAK	3,519	3,222	3,787	3,958	4,450	4,786	4,641	3,918
S DAK	2,836	3,316	3,931	3,799	4,065	4,160	3,825	2,291
TENN 1/								
UTAH	1,984	1,769	2,201	2,952	3,551	3,815	3,711	3,195
VA	366	438	452	562	633	580	526	456
WIS	54,379	55,115	62,703	63,751	70,259	70,698	64,983	61,600
OTHER 1/	18,552	17,099	20,520	23,536	25,465	26,428	22,756	22,177
U S	123,448	119,962	135,717	141,770	154,443	155,259	142,198	130,908

TABLE 15--BLUE CHEESE 2/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
WIS	1,845	1,581	1,767	1,813	1,978	1,993	1,858	1,859
OTHER 1/	1,248	1,164	1,206	1,001	1,044	1,038	1,268	1,236
U S	3,093	2,745	2,973	2,814	3,022	3,031	3,126	3,095

SEE FOOTNOTES ON PAGE 21.

TABLE 14--CHEDDAR CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	697	1,729	2,474	2,637	10	6,105	12	12,608
IDAHO	3,296	2,771	2,366	2,976	11	26,817	11	33,274
ILL	57	38	65	14	6	724	5	735
IOWA 1/					13	54,966		
MICH 1/	496	178	542	465			8	4,933
MINN	21,961	24,416	25,488	26,724	17	277,016	18	308,436
MISS	283	273	358	796	4	9,609	4	8,432
MO	3,133	3,498	3,350	3,344	12	39,336	7	39,451
NEBR	13	15	125	141	6	10,082	4	2,109
N Y	5,968	6,043	5,042	4,131	15	77,229	14	81,916
N DAK	3,316	3,085	3,011	3,249	13	49,769	11	44,942
S DAK	1,738	1,985	1,859	2,247	14	25,438	13	36,052
TENN 1/					7	14,087		
UTAH	2,678	2,695	2,358	2,757	10	33,863	10	33,666
VA	371	401	302	410	1	5,234	1	5,497
WIS	59,019	60,587	53,724	56,488	226	705,807	213	733,306
OTHER 1/	18,332	18,252	16,769	20,510	65	169,440	74	250,396
U S	121,358	125,968	117,833	126,889	430	1,505,522	405	1,595,753

TABLE 15--BLUE CHEESE 2/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
WIS	1,520	1,586	1,538	1,382	4	21,360	4	20,720
OTHER 1/	1,232	1,211	1,114	1,146	7	13,987	6	13,908
U S	2,752	2,797	2,652	2,528	11	35,347	10	34,628

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, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 POUNDS									
CALIF	737	680	790	1,100	1,039	931	974	1,014	
IDAHO	2,931	2,600	2,948	3,267	3,384	3,855	3,384	2,984	
ILL	414	308	403	415	416	387	314	369	
IOWA 2/									
MICH 2/	1,194	844	985	1,335	1,505	1,589	1,447	1,365	
MINN	10,248	8,136	9,792	9,475	10,508	9,436	9,022	8,494	
MO	690	620	681	580	701	619	751	732	
NEBR	1,482	1,127	1,368	1,433	1,814	1,571	1,298	1,574	
N Y	366	362	445	435	434	562	580	518	
S DAK	1,252	359	407	398	498	524	517	1,448	
TENN 2/									
UTAH	512	509	558	569	653	579	639	728	
WIS	16,125	15,554	16,693	16,430	17,881	18,257	16,459	16,279	
OTHER 2/	13,673	12,379	15,440	15,424	17,207	16,127	15,405	13,840	
U S	49,624	43,478	50,510	50,861	56,040	54,437	50,790	49,345	

TABLE 17--CREAM CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 POUNDS									
CALIF	506	751	1,149	596	652	802	635	675	
N Y	3,802	3,088	7,482	3,437	3,630	5,633	3,327	4,246	
PA 2/									
OTHER 2/	7,128	6,091	14,168	9,336	8,327	11,192	9,173	10,870	
U S	11,436	9,930	22,799	13,369	12,609	17,627	13,135	15,791	

SEE FOOTNOTES ON PAGE 23.

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	950	988	814	908	12	9,267	14	10,925
IDAHO	3,357	3,278	3,329	3,485	11	41,164	11	38,802
ILL	647	774	315	361	9	5,964	9	5,123
IOWA 2/					8	36,335		
MICH 2/	1,549	1,471	913	1,180			7	15,377
MINN	8,475	8,515	8,418	10,349	6	104,581	6	110,868
MO	462	521	380	407	6	10,585	4	7,144
NEBR	1,331	1,513	1,262	1,167	5	19,366	4	16,940
N Y	486	524	516	379	7	4,537	7	5,607
S DAK	1,769	1,941	1,842	1,699	6	17,289	6	12,654
TENN 2/					3	4,805		
UTAH	756	616	757	784	5	6,452	5	7,660
WIS	15,017	15,517	14,062	14,721	101	171,419	108	192,995
OTHER 2/	11,574	12,767	10,935	13,084	47	136,916	44	167,855
U S	46,373	48,425	43,543	48,524	226	568,680	225	591,950

TABLE 17--CREAM CHEESE
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	827	917	1,489	719	4	9,490	4	9,718
N Y	5,538	6,485	6,980	6,365	5	61,244	5	60,013
PA 2/					3	10,314		
OTHER 2/	14,980	15,779	16,266	14,029	9	113,287	12	137,339
U S	21,345	23,181	24,735	21,113	21	194,335	21	207,070

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, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	8,549	8,041	9,291	8,951	9,284	8,885	9,588	10,498
CONN	677	643	734	640	578	596	504	400
ILL	2,188	2,085	2,563	2,374	2,485	2,382	2,309	2,401
KY 1/	1,482	1,480	1,168	1,567	1,641	1,465	1,840	1,637
MASS 1/								
MINN	4,130	4,133	5,157	4,500	3,507	4,311	4,252	4,277
NEBR	3,911	3,312	3,693	3,893	4,775	4,864	4,275	4,579
N J	2,048	1,870	2,818	2,021	1,873	1,876	1,631	1,936
N Y	11,704	10,835	13,244	13,188	12,139	11,592	10,340	11,186
PA	3,231	2,945	3,450	3,810	3,531	3,457	3,190	3,533
VT	2,272	2,008	2,569	2,582	2,920	2,643	2,542	2,620
WASH	1,285	1,035	1,257	1,417	1,363	1,154	1,402	1,139
WIS	24,912	22,424	26,225	25,257	27,309	26,685	25,577	25,588
OTHER 1/	8,767	8,502	9,842	10,057	10,017	10,223	9,691	8,697
U S	75,156	69,313	82,011	80,257	81,422	80,133	77,141	78,491

TABLE 19--MOZZARELLA AND SIMILARS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	7,645	7,110	8,285	8,192	8,447	8,085	8,777	9,628
CONN 1/								
ILL	1,077	953	1,127	1,154	1,132	1,090	1,155	1,163
KY 1/	985	1,039	778	934	1,236	896	1,313	1,027
MASS	149	158	413	520	152	120	94	83
MINN 1/								
NEBR	3,725	3,130	3,489	3,662	4,477	4,479	4,010	4,285
N J	876	736	939	639	741	798	773	875
N Y	8,097	7,056	8,326	8,456	8,781	8,023	7,406	7,455
PA	2,111	1,881	2,225	2,488	2,412	2,369	2,054	2,288
WIS	14,902	13,719	16,278	15,435	16,640	15,946	15,544	15,825
OTHER 1/	11,397	10,995	13,303	12,975	12,232	12,831	12,366	11,391
U S	50,964	46,777	55,163	54,455	56,250	54,637	53,492	54,020

SEE FOOTNOTES ON PAGE 25.

TABLE 18--ITALIAN CHEESE, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	9,116	9,639	9,485	9,854	13	106,066	13	111,181
CONN	372	382	317	364	8	6,487	7	6,207
ILL	2,071	2,157	2,033	2,329	9	26,840	8	27,377
KY 1/	1,547	1,616	1,549	1,557			3	18,549
MASS 1/					8	6,250		
MINN	3,832	3,915	3,442	3,709	6	56,682	6	49,165
NEBR	4,103	4,544	4,278	4,461	7	29,791	8	50,688
N J	2,064	2,704	2,326	2,402	7	21,788	7	25,569
N Y	10,219	11,653	11,285	13,165	28	126,955	25	140,550
PA	2,732	3,121	3,098	3,559	14	39,568	13	39,657
VT	2,309	2,815	2,586	2,571	6	26,777	4	30,437
WASH	1,180	1,263	1,236	1,270	3	16,898	3	15,001
WIS	24,289	26,239	23,872	25,880	55	282,617	58	304,257
OTHER 1/	7,880	8,979	8,665	9,132	28	128,937	30	110,452
U S	71,714	79,027	74,172	80,253	192	875,656	185	929,090

TABLE 19--MOZZARELLA AND SIMILARS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	8,328	8,689	8,561	8,816	10	96,265	9	100,563
CONN 1/					7	3,025		
ILL	967	1,049	923	1,020	8	13,074	7	12,810
KY 1/	1,063	1,032	1,075	1,063			3	12,441
MASS	87	129	149	105	7	3,344	7	2,159
MINN 1/					5	34,307		
NEBR	3,911	4,286	4,098	4,300	6	27,558	7	47,852
N J	832	1,053	853	827	4	7,892	4	9,942
N Y	6,451	7,109	6,484	7,509	20	82,885	16	91,153
PA	1,738	1,945	1,746	2,138	11	26,240	11	25,395
WIS	15,014	16,707	15,767	16,806	40	173,256	44	188,583
OTHER 1/	10,588	12,058	11,035	11,346	33	131,340	38	142,517
U S	48,979	54,057	50,691	53,930	151	599,186	146	633,415

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, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	904	931	1,006	759	837	800	811	870
CONN 1/								
ILL	1,111	1,132	1,436	1,220	1,353	1,292	1,154	1,238
KY 2/	497	441	390	633	405	569	527	610
MASS 1/								
MINN 1/								
NEBR	186	182	204	231	298	385	265	294
N J	1,172	1,134	1,879	1,382	1,132	1,078	858	1,061
N Y	3,607	3,779	4,918	4,732	3,358	3,569	2,934	3,731
PA	1,120	1,064	1,225	1,322	1,119	1,088	1,136	1,245
WIS	10,010	8,705	9,947	9,822	10,669	10,739	10,033	9,763
OTHER 1/	5,585	5,168	5,843	5,701	6,001	5,976	5,931	5,659
U S	24,192	22,536	26,848	25,802	25,172	25,496	23,649	24,471

SEE FOOTNOTES ON PAGE 27.

TABLE 21--ITALIAN CHEESE PRODUCTION IN THE UNITED STATES, 1978 AND 1979
A. BY MAJOR TYPES

TYPES	1978	1979	1979 AS % OF 1978
1,000 POUNDS			
PERCENT			
HARD:			
PROVOLONE AND SIMILARS	78,914	88,681	112
ROMANO AND SIMILARS	26,097	24,531	94
PARMESAN AND SIMILARS	56,919	67,803	119
OTHER HARD	10,396	5,092	49
TOTAL HARD	172,326	186,107	108
SOFT:			
MOZZARELLA AND SIMILARS	599,186	633,415	106
RICOTTA AND SIMILARS	98,425	104,291	106
OTHER SOFT	5,719	5,277	92
TOTAL SOFT	703,330	742,983	106
TOTAL HARD AND SOFT	875,656	929,090	106

B. BY REGIONS

REGION	HARD TYPES		SOFT TYPES		TOTAL (HARD AND SOFT)	
	1978	1979	1978	1979	1978	1979
1,000 POUNDS						
NORTH AND SOUTH ATLANTIC	6,106	9,903	225,117	240,313	231,223	250,216
EAST NORTH CENTRAL	120,590	122,965	206,019	223,686	326,609	346,651
WEST NORTH CENTRAL	36,424	43,978	116,473	122,655	152,897	166,633
SOUTH CENTRAL	6,436	6,108	22,455	20,387	28,891	26,495
WEST	2,770	3,153	133,266	135,942	136,036	139,095
U S	172,326	186,107	703,330	742,983	875,656	929,090

TABLE 20--OTHER ITALIAN TYPES
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS		
CALIF	788	950	924	1,038	8	9,801	9	10,618
CONN 1/					8	3,462		
ILL	1,104	1,108	1,110	1,309	5	13,766	5	14,567
KY 2/	484	584	474	494			1	6,108
MASS 1/					5	2,906		
MINN 1/					3	22,375		
NEBR	192	258	180	161	5	2,233	5	2,836
N J	1,232	1,651	1,473	1,575	7	13,896	7	15,627
N Y	3,768	4,544	4,801	5,656	22	44,070	20	49,397
PA	994	1,176	1,352	1,421	14	13,328	13	14,262
WIS	9,275	9,532	8,105	9,074	35	109,361	34	115,674
OTHER 1/	4,898	5,167	5,062	5,595	21	41,272	32	66,586
U S	22,735	24,970	23,481	26,323	133	276,470	126	295,675

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 22--CHEESE, PROCESSED, CHEESE FOODS, SPREADS, AND COLD PACK: PRODUCTION, UNITED STATES, 1972-79 1/ 2/

YEAR	PROCESSED CHEESE		PROCESSED CHEESE FOODS & SPREADS 3/		COLD PACK CHEESE & CHEESE FOODS		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
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	814,039	31	671,340	27	40,991	59	1,526,370
1978	32	774,649	31	669,965	26	48,004	57	1,492,618
1979	34	776,366	36	656,932	25	44,468	63	1,477,766

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, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 POUNDS									
CALIF	556	527	671	624	634	582	714	626	
MASS	124	125	134	149	134	115	118	105	
MINN	41	37	39	34	39	158	37	46	
MISS 2/	17	17	17	17	17	17	17	17	
WIS	1,675	1,637	1,412	1,400	1,480	2,216	1,834	2,166	
OTHER 3/	2,179	1,871	2,126	1,886	2,485	2,244	2,221	1,903	
U S	4,592	4,214	4,399	4,110	4,789	5,332	4,941	4,863	

TABLE 24--LOWFAT COTTAGE CHEESE 4/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 POUNDS									
ALA 3/	99	101	121	107	118	101	103	107	
CALIF	3,844	3,496	4,136	3,936	4,412	3,976	3,997	4,101	
COLO	567	513	596	600	638	472	614	551	
IDAMO 2/	55	55	67	66	70	66	70	64	
ILL	243	227	305	287	314	278	317	310	
IND 3/									
KANS	146	135	152	159	176	188	164	195	
MICH 3/									
MINN	424	387	445	451	502	456	439	419	
MO 3/	123	128	171	159	164	169	162	158	
N Y	1,518	1,494	2,005	1,541	1,679	1,701	1,321	1,630	
N C	76	71	89	73	105	172	70	91	
N DAK 2/	124	114	146	129	140	142	114	116	
OHIO	1,080	978	1,262	1,044	1,167	1,125	1,009	1,225	
OKLA	134	135	183	153	176	108	153	178	
OREG	104	89	107	90	102	113	112	112	
PA	896	1,222	1,551	1,431	1,643	1,345	1,517	1,583	
TEX	335	340	427	369	402	363	289	330	
WASH	646	644	688	699	729	623	749	628	
WIS	434	368	503	384	395	444	358	448	
OTHER 3/	1,507	1,451	1,756	1,602	1,727	1,657	1,597	1,633	
U S	12,355	11,948	14,710	13,280	14,659	13,499	13,155	13,879	

SEE FOOTNOTES ON PAGE 29.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	503	681	625	627	13	6,016	14	7,370
MASS	118	107	105	116	5	1,321	5	1,450
MINN	55	53	54	58	7	708	7	651
MISS 2/	17	17	17	17	1	180	1	204
WIS	1,548	1,826	1,142	1,489	16	17,352	24	19,825
OTHER 3/	1,923	2,113	1,976	1,898	31	18,617	30	24,825
U S	4,164	4,797	3,919	4,205	73	44,194	81	54,325

TABLE 24--LOWFAT COTTAGE CHEESE 4/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA 3/	97	108	97	81			3	1,240
CALIF	3,950	4,085	3,474	3,382	10	45,647	10	46,789
COLO	485	556	467	410	3	5,405	3	6,469
IDAHO 2/	54	65	55	51	2	769	2	738
ILL	141	266	242	246	6	3,041	6	3,176
IND 3/					4	215		
KANS	156	187	135	142	6	1,751	5	1,935
MICH 3/					7	1,356		
MINN	372	433	372	378	3	4,860	3	5,078
MO 3/	105	130	67	111			3	1,647
N Y	1,568	1,397	1,383	1,093	6	19,745	4	18,330
N C	67	74	65	54	4	1,027	4	1,007
N DAK 2/	101	185	108	94	1	1,417	1	1,513
OHIO	1,003	1,031	970	828	15	12,380	15	12,722
OKLA	139	163	143	143	7	2,031	7	1,808
OREG	105	117	108	95	8	1,131	9	1,254
PA	1,570	1,552	1,410	1,277	9	15,305	10	16,997
TEX	326	339	289	255	9	4,520	8	4,064
WASH	607	628	592	562	9	7,498	9	7,795
WIS	357	410	358	398	7	5,133	7	4,857
OTHER 3/	1,681	1,654	1,533	1,373	43	19,908	46	19,171
U S	12,884	13,380	11,868	10,973	159	153,139	155	156,590

1/ INCLUDES FULL-SKIM TYPE CHEESE BEGINNING 1974.

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

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

4/ MILKFAT CONTENT LESS THAN 4.0 PERCENT.

TABLE 25--CREAMED COTTAGE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ALA	144	131	176	160	171	149	133	154
CALIF	8,444	7,565	8,869	8,381	8,879	8,605	8,719	8,854
COLO	1,196	1,156	1,291	1,181	1,301	1,230	1,235	1,328
IDAHO	249	225	243	255	274	281	277	275
ILL	3,068	2,775	3,365	3,090	3,489	3,212	3,275	3,288
IND	1,980	1,814	2,093	2,038	2,502	2,187	2,195	2,352
IOWA	1,212	1,118	1,390	1,264	1,277	1,214	1,160	1,160
KANS	1,613	1,634	1,937	1,933	1,970	1,874	1,983	2,054
KY	481	461	582	553	641	642	677	792
MAINE 2/								
MICH	4,154	3,847	4,385	3,997	4,326	4,382	4,593	4,419
MINN	1,119	1,002	1,089	1,063	1,165	1,082	1,029	1,044
MO	2,193	2,179	2,777	2,346	2,354	2,274	2,216	2,134
MONT	384	350	419	411	454	432	472	488
NEBR	860	758	1,001	895	947	912	690	860
N MEX	778	694	869	799	850	858	806	853
N Y	10,635	9,366	11,406	10,573	12,124	11,146	10,687	10,748
N C	527	493	586	600	504	611	534	575
N DAK 3/	285	234	284	268	306	268	283	264
OHIO	6,039	5,618	6,706	6,068	6,838	6,255	5,922	6,206
OKLA	932	852	900	811	767	620	752	705
OREG	1,201	1,105	1,350	1,217	1,278	1,254	1,264	1,281
PA	3,323	3,588	4,321	4,001	3,921	4,377	3,865	4,224
TENN	574	491	709	611	657	665	685	749
TEX	1,861	1,824	2,197	1,987	1,975	1,808	1,942	2,042
UTAH	540	492	620	543	592	536	568	584
VT 2/								
VA	559	597	689	622	639	542	570	555
WASH	2,385	2,208	2,701	2,340	2,753	2,635	2,479	2,604
W VA	203	193	233	224	262	229	216	189
WIS	4,678	4,797	5,897	5,308	5,763	5,453	5,418	5,274
OTHER 2/	6,120	7,233	8,383	6,474	8,028	7,869	7,553	7,544
U S	67,737	64,800	77,468	70,013	77,007	73,602	72,198	73,599

SEE FOOTNOTES ON PAGE 31.

TABLE 25--CREAMED COTTAGE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA	145	155	144	127	4	1,596	4	1,789
CALIF	8,519	8,596	7,524	7,478	13	100,735	13	100,433
COLO	1,072	1,276	1,135	1,051	7	14,415	6	14,452
IDAHO	240	256	236	221	3	3,142	3	3,032
ILL	2,958	3,158	2,867	2,645	8	35,752	8	37,190
IND	2,091	2,303	2,049	1,850	11	29,389	9	25,454
IOWA	1,054	1,234	1,146	1,119	6	14,619	6	14,348
KANS	1,764	1,688	1,452	1,336	9	21,543	8	21,238
KY	701	756	694	611	3	6,692	3	7,591
MAINE 2/					7	18,571		
MICH	3,957	4,207	3,672	3,084	13	53,582	11	49,023
MINN	925	1,111	913	923	4	13,189	4	12,465
MO	1,964	2,218	2,093	2,182	6	29,367	4	26,930
MONT	368	448	383	353	8	3,895	8	4,962
NEBR	722	841	741	685	8	11,074	9	9,912
N MEX	720	836	706	668	3	8,889	3	9,437
N Y	9,692	10,243	9,107	8,417	15	129,646	15	124,144
N C	574	426	398	323	5	6,297	6	6,151
N DAK 3/	238	210	240	228	2	3,321	1	3,108
OHIO	5,513	5,577	5,488	4,946	27	68,515	27	71,176
OKLA	750	849	727	691	9	10,722	10	9,356
OREG	1,234	1,282	1,128	1,033	13	17,836	13	14,627
PA	3,505	4,096	3,605	3,346	20	45,985	17	46,172
TENN	629	584	514	424	7	6,961	7	7,292
TEX	1,784	2,055	1,773	1,625	14	24,470	13	22,873
UTAH	495	552	522	494	5	6,871	3	6,538
VT 2/					5	14,664		
VA	563	720	633	563	5	6,126	5	7,252
WASH	2,274	2,605	2,254	2,201	16	29,428	16	29,439
W VA	104	102	96	82	3	2,674	3	2,133
WIS	4,800	5,109	4,818	4,608	11	68,617	10	61,923
OTHER 2/	6,895	7,743	6,776	6,713	28	61,946	36	87,331
U S	66,250	71,236	63,834	60,027	298	870,529	281	837,771

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, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS									
ALA	:	90	147	191	170	184	160	150	153
CALIF	:	8,553	7,692	9,124	8,408	9,175	8,683	8,551	8,963
COLO	:	1,083	1,044	1,189	1,115	1,199	1,127	1,150	1,183
IDAHO	:	189	172	258	193	207	229	217	208
ILL	:	2,436	2,384	2,718	2,628	2,889	2,660	2,693	2,808
IND	:	1,205	1,097	1,268	1,225	1,485	1,295	1,312	1,381
IOWA	:	778	695	876	796	810	765	746	726
KANS	:	1,051	1,052	1,218	1,225	1,267	1,196	1,268	1,305
MAINE	2/ :								
MICH	:	2,699	2,481	2,995	2,897	2,927	2,911	2,541	2,443
MINN	:	898	821	909	890	984	981	984	847
MO	:	1,422	1,444	2,038	1,609	1,476	1,525	1,454	1,378
MONT	:	258	231	276	272	304	290	312	324
NEBR	:	488	450	594	632	703	647	579	512
N MEX	:	454	402	502	459	484	489	456	483
N Y	:	8,636	7,764	8,642	8,522	9,526	9,130	8,348	8,745
N C	:	363	339	403	396	443	379	358	403
N DAK	3/ :	243	217	281	222	276	268	236	241
OHIO	:	4,458	4,112	5,006	4,531	4,785	4,621	4,162	4,590
OKLA	:	644	597	632	569	559	440	525	505
OREG	:	753	697	853	774	803	800	816	845
PA	:	2,778	3,090	3,728	3,443	3,448	3,707	3,368	3,621
TENN	:	402	311	457	460	444	408	421	464
TEX	:	1,359	1,340	1,557	1,402	1,420	1,293	1,271	1,362
UTAH	:	429	393	496	430	462	418	441	442
VT	:	1,304	1,215	1,395	1,393	1,539	1,492	1,292	1,402
VA	:	519	524	615	545	540	478	492	466
WASH	:	1,983	1,851	2,111	1,912	2,184	2,020	1,958	1,971
W VA	:	137	131	153	145	175	154	143	123
WIS	:	3,461	3,635	4,291	3,594	3,970	3,860	3,766	3,742
OTHER	2/ :	5,022	5,583	6,390	5,522	6,730	5,745	6,040	5,881
U S	:	54,095	51,911	61,166	56,379	61,398	58,171	56,050	57,517

SEE FOOTNOTES ON PAGE 33.

TABLE 26--COTTAGE CHEESE CURD 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	PLANTS	1978 PRODUCTION	PLANTS	1979 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA	155	168	154	134	3	1,926	4	1,856
CALIF	8,638	8,762	7,344	7,528	12	103,457	13	101,421
COLO	945	1,137	984	895	7	12,620	6	13,051
IDAHO	179	201	182	139	3	2,353	3	2,374
ILL	2,627	2,981	2,736	2,394	9	29,454	10	31,954
IND	1,239	1,366	1,218	1,097	11	17,969	9	15,188
IOWA	711	799	729	690	6	9,663	6	9,121
KANS	1,109	1,118	945	842	10	14,050	8	13,596
MAINE 2/					9	14,054		
MICH	2,247	2,323	2,132	2,135	11	35,161	10	30,731
MINN	771	921	776	799	4	10,533	4	10,581
MO	1,387	1,599	1,446	1,536	6	19,464	5	18,314
MONT	241	286	252	232	8	2,438	8	3,278
NEBR	460	526	455	425	8	6,639	8	6,471
N MEX	400	476	407	393	3	5,479	3	5,405
N Y	7,957	8,297	7,445	6,750	18	102,147	17	99,762
N C	390	298	278	205	6	4,479	6	4,255
N DAK 3/	193	238	219	203	2	2,960	1	2,837
OHIO	3,981	4,063	3,929	3,521	26	51,646	25	51,759
OKLA	592	599	513	483	9	7,620	10	6,658
OREG	792	812	706	735	12	10,787	13	9,386
PA	3,067	3,421	3,106	2,917	19	39,773	16	39,694
TENN	445	404	338	292	7	4,898	7	4,846
TEX	1,223	1,402	1,178	1,082	14	17,419	13	15,889
UTAH	387	433	394	369	5	5,281	3	5,094
VT	1,150	1,255	1,125	1,090	5	16,534	5	15,652
VA	441	525	475	420	5	5,708	5	6,040
WASH	1,717	1,958	1,728	1,680	15	23,876	15	23,073
W VA	46	66	62	54	3	1,790	3	1,389
WIS	3,477	3,668	3,404	3,320	12	46,464	11	44,188
OTHER 2/	5,403	6,553	5,820	5,455	33	61,757	40	70,144
U S	52,370	56,655	50,480	47,815	301	688,399	287	664,007

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, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
SWEETENED CONDENSED WHOLE MILK 1,000 POUNDS								
WIS	5,022	4,987	5,718	5,784	5,722	5,218	3,986	6,151
OTHER 1/	1,257	794	1,576	1,694	1,468	1,836	1,778	2,322
U S	6,279	5,781	7,296	7,478	7,190	7,054	5,764	8,473
SWEETENED CONDENSED SKIM MILK								
WIS	2,983	3,161	3,895	3,111	3,252	3,368	2,674	3,380
OTHER 1/	862	867	631	794	774	616	765	885
U S	3,845	4,028	4,526	3,905	4,026	3,984	3,439	4,265
UNSWEETENED CONDENSED WHOLE MILK								
N Y	2,363	2,126	2,800	3,649	3,083	4,075	3,640	3,725
PA	2,769	2,597	2,517	3,772	5,063	9,623	2,811	3,199
WIS	1,444	1,451	2,211	1,773	977	3,104	1,011	2,624
OTHER 1/	4,442	3,980	5,031	4,738	4,881	4,317	3,489	4,055
U S	11,018	10,154	12,559	13,932	14,004	21,119	10,951	13,603
UNSWEETENED CONDENSED SKIM MILK								
CALIF	8,585	7,121	8,760	8,655	9,639	9,246	11,642	11,964
MICH	4,499	4,682	4,970	5,517	5,258	6,944	7,436	6,153
MO	1,535	1,376	1,638	1,584	1,890	1,794	1,837	1,925
N Y	4,376	6,567	7,127	9,277	9,689	8,475	7,394	8,022
OHIO	3,139	3,723	4,234	4,288	4,416	4,999	4,990	4,457
OKLA 1/	90	102	158	215	197	169	252	3
PA	4,413	3,547	4,982	4,870	5,408	5,649	5,818	5,322
WIS	7,461	6,218	7,624	6,971	9,764	9,270	8,355	8,869
OTHER 1/	14,561	13,966	14,873	17,431	19,556	18,202	20,066	20,951
U S	48,659	47,302	54,366	58,808	65,817	64,748	67,790	67,666

SEE FOOTNOTES ON PAGE 35.

TABLE 27--CONDENSED MILK, BULK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978 PLANTS	1978 PRODUCTION NUMBER 1,000 LBS	1979 PLANTS	1979 PRODUCTION NUMBER 1,000 LBS
SWEETENED CONDENSED WHOLE MILK								
WIS	5,633	5,928	4,562	3,924	7	63,569	5	62,635
OTHER 1/	1,523	1,956	1,712	730	8	17,109	6	18,648
U S	7,156	7,884	6,274	4,654	15	80,678	11	81,283
SWEETENED CONDENSED SKIM MILK								
WIS	3,432	3,255	2,540	2,183	5	34,232	4	37,234
OTHER 1/	820	916	626	737	5	10,402	3	9,293
U S	4,252	4,171	3,166	2,920	10	44,634	7	46,527
UNSWEETENED CONDENSED WHOLE MILK								
N Y	3,871	6,450	2,936	3,463	10	37,522	7	42,181
PA	2,601	2,702	2,354	2,207	4	29,845	4	42,215
WIS	2,717	2,063	1,575	1,669	3	22,109	4	22,619
OTHER 1/	3,576	3,825	3,421	2,914	13	55,266	14	48,669
U S	12,765	15,040	10,286	10,253	30	144,742	29	155,684
UNSWEETENED CONDENSED SKIM MILK								
CALIF	9,835	11,297	9,363	10,396	15	109,499	12	116,503
MICH	6,386	4,856	4,483	5,202	4	65,899	4	66,386
MO	1,521	1,408	1,050	946	3	14,048	3	18,504
N Y	6,543	6,008	4,316	4,696	14	88,838	11	82,490
OHIO	4,126	3,686	3,413	4,191	8	47,196	7	49,662
OKLA 1/	8	0	88	179			3	1,461
PA	4,939	3,935	3,734	3,795	8	70,753	8	56,412
WIS	8,609	5,922	6,020	5,839	13	114,197	16	90,922
OTHER 1/	17,877	16,100	15,683	15,287	40	206,779	30	204,553
U S	59,844	53,212	48,150	50,531	105	717,209	94	686,893

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

TABLE 28--EVAPORATED AND CONDENSED WHOLE MILK, CASE GOODS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
OHIO	10,828	11,351	11,188	11,242	14,513	15,164	13,609	13,640
OTHER 1/	48,276	46,860	53,737	60,941	67,423	65,174	58,252	54,063
U S	59,104	58,211	64,925	72,183	81,936	80,338	71,861	67,703

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
SWEET-TYPE, HUMAN								
MINN	2,739	2,538	1,372	2,501	2,630	2,387	1,420	2,294
WIS	1,843	2,166	1,586	1,316	1,155	1,214	1,448	1,988
OTHER 1/	1,716	1,964	1,789	1,569	2,215	2,273	2,364	3,189
U S	6,298	6,668	4,747	5,386	6,000	5,874	5,232	7,471
TOTAL CONDENSED 3/								
MINN	2,739	3,441	1,372	2,501	2,630	2,387	1,420	2,294
WIS	1,843	2,166	1,586	1,316	1,155	1,214	1,448	1,988
OTHER 1/	4,110	4,101	4,096	3,902	4,597	4,321	5,150	5,493
U S	8,692	9,708	7,054	7,719	8,382	7,922	8,018	9,775

SEE FOOTNOTES ON PAGE 37.

TABLE 28--EVAPORATED AND CONDENSED WHOLE MILK, CASE GOODS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
OHIO	10,664	11,133	8,882	9,693	4	133,341	5	141,907
OTHER 1/	51,539	48,653	49,726	49,525	19	654,525	16	654,169
U S	62,203	59,786	58,608	59,218	23	787,866	21	796,076

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
SWEET-TYPE, HUMAN								
MINN	1,899	2,318	2,292	2,200	6	25,445	5	26,590
WIS.	1,831	1,155	1,560	2,283	6	21,870	4	19,545
OTHER 1/	2,528	2,107	2,450	1,895	14	65,408	14	26,059
U S	6,258	5,580	6,302	6,378	26	112,723	23	72,194
TOTAL CONDENSED 3/								
MINN	1,899	2,318	2,292	2,200	6	25,807	5	27,493
WIS	1,831	1,201	1,560	2,283	7	22,213	5	19,591
OTHER 1/	4,364	4,512	4,014	4,081	21	96,404	24	52,741
U S	8,094	8,031	7,866	8,564	34	144,424	34	99,825

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, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	8,962	8,305	11,524	15,929	18,559	19,939	20,903	20,697
IDAHO 1/								
IOWA	5,050	5,673	6,471	6,635	8,160	8,570	7,807	5,569
MICH	2,296	2,710	3,824	4,695	6,105	6,614	6,263	6,266
MINN	10,746	12,749	16,853	17,044	18,590	17,981	12,496	10,229
N Y	1,743	2,226	4,255	5,988	7,630	6,473	3,514	2,642
N DAK 2/	459	583	621	593	639	754	554	486
OHIO	2,112	1,736	1,993	2,394	4,081	3,743	3,229	2,500
OKLA 1/								
PA	1,020	1,230	1,790	2,823	2,262	2,271	1,352	896
S DAK	2,719	2,341	3,091	3,177	3,491	3,696	3,380	3,145
WIS	4,952	6,374	9,165	10,457	12,750	14,143	11,270	7,521
OTHER 1/	11,350	9,989	15,869	20,028	26,233	27,830	24,610	19,893
U S	51,409	53,916	75,456	89,763	108,500	112,014	95,378	79,844

TABLE 31--DRY SKIM FOR ANIMAL FEED
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	58	57	65	86	119	107	150	152
IDAHO 1/								
MINN	26	21	21	109	125	53	65	20
N Y	6	5	17	42	61	89	47	39
N DAK 2/	5	3	4	3	6	5	5	3
OKLA 1/								
S DAK	3	4	3	3	4	4	4	6
WIS	21	24	30	47	38	63	58	34
OTHER 1/	130	312	234	380	273	427	419	266
U S	249	426	374	670	626	748	748	520

SEE FOOTNOTES ON PAGE 39.

TABLE 30--NONFAT DRY MILK FOR HUMAN FOOD
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	17,023	16,359	15,056	15,190	13	156,897	12	188,446
IDAHO 1/					2	7,523		
IOWA	3,992	3,833	3,625	4,796	8	77,512	7	70,181
MICH	3,703	4,309	3,591	4,401	4	48,469	4	54,777
MINN	7,095	8,393	8,376	10,044	19	174,993	18	150,596
N Y	1,282	1,631	1,751	3,017	13	44,303	12	42,152
N DAK 2/	221	161	211	216	1	4,983	1	5,498
OHIO	1,362	1,749	1,656	2,331	6	34,189	5	28,886
OKLA 1/					2	10,594		
PA	912	1,901	1,539	2,953	7	18,959	5	20,949
S DAK	2,489	2,281	2,278	2,698	5	36,156	4	34,786
WIS	4,196	4,339	5,321	7,548	13	110,283	12	98,036
OTHER 1/	13,669	13,322	12,941	18,672	34	195,561	32	214,406
U S	55,944	58,278	56,345	71,866	127	920,422	112	908,713

TABLE 31--DRY SKIM FOR ANIMAL FEED
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	108	121	96	108	9	1,136	9	1,227
IDAHO 1/					2	63		
MINN	36	15	16	41	11	568	13	548
N Y	10	39	25	48	7	362	8	428
N DAK 2/	3	2	3	3	1	42	1	45
OKLA 1/					2	261		
S DAK	67	3	2	3	4	53	3	106
WIS	22	23	28	22	7	448	9	410
OTHER 1/	172	319	197	236	33	3,555	32	3,365
U S	418	522	367	461	76	6,488	75	6,129

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

TABLE 32--DRY MILK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
DRY WHOLE MILK								
MINN	2,009	1,573	2,161	2,326	2,217	2,107	1,157	1,876
OTHER 1/	5,105	3,937	5,793	7,206	6,055	5,668	5,417	5,752
U S	7,114	5,510	7,954	9,532	8,272	7,775	6,574	7,628
DRY BUTTERMILK								
CALIF	217	162	83	69	82	31	46	49
IOWA	377	233	304	133	400	909	310	50
MICH	160	188	204	206	87	262	176	135
MINN	1,045	949	1,302	1,362	1,391	1,278	1,004	1,001
N Y	149	106	65	87	70	65	23	23
N DAK 3/	50	41	51	49	51	53	38	47
WIS	1,713	1,468	1,580	1,419	1,514	1,133	1,334	977
OTHER 1/	1,017	917	871	795	928	774	563	464
U S	4,728	4,064	4,460	4,120	4,523	4,505	3,494	2,746

TABLE 33--LACTOSE-MILK SUGAR
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
FOR HUMAN FOOD								
MINN	2,392	2,175	2,523	2,522	2,600	2,533	2,406	2,403
WIS	3,294	2,462	3,068	2,790	2,872	4,240	3,814	3,260
OTHER 1/	2,660	2,391	2,765	2,630	2,838	3,012	2,890	2,770
U S	8,346	7,028	8,356	7,942	8,310	9,785	9,110	8,433
TOTAL LACTOSE 2/								
MINN	2,392	2,175	2,523	2,522	2,600	2,533	2,406	2,403
WIS	3,461	3,071	3,958	3,645	3,658	5,049	4,655	4,096
OTHER 1/	2,784	2,529	2,893	2,700	2,938	3,126	2,974	2,884
U S	8,637	7,775	9,374	8,867	9,196	10,708	10,035	9,383

SEE FOOTNOTES ON PAGE 41.

TABLE 32--DRY MILK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
DRY WHOLE MILK								
MINN	1,463	1,702	1,756	1,319	6	22,690	5	21,666
OTHER 1/	4,090	4,014	5,549	5,068	19	51,927	16	63,654
U S	5,553	5,716	7,305	6,387	25	74,617	21	85,320
DRY BUTTERMILK								
CALIF	109	84	122	224	4	1,774	4	1,278
IOWA	204	40	279	359	7	2,696	6	3,598
MICH	113	199	118	212	6	2,090	4	2,060
MINN	988	414	878	707	7	11,765	6	12,319
N Y	59	50	73	119	4	1,228	4	889
N DAK 3/	30	29	38	35	1	417	1	512
WIS	925	1,169	910	1,148	9	17,769	9	15,290
OTHER 1/	426	605	544	821	28	9,874	27	8,725
U S	2,854	2,590	2,962	3,625	66	47,613	61	44,671

TABLE 33--LACTOSE-MILK SUGAR
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
FOR HUMAN FOOD								
MINN	2,077	1,943	2,181	2,366	4	25,360	4	28,121
WIS	2,886	3,202	2,957	2,640	6	52,163	6	37,485
OTHER 1/	2,822	2,883	2,705	2,689	7	31,705	7	33,055
U S	7,785	8,028	7,843	7,695	17	109,228	17	98,661
TOTAL LACTOSE 2/								
MINN	2,077	1,943	2,181	2,366	4	25,360	4	28,121
WIS	3,781	3,861	3,757	3,387	7	55,026	7	46,379
OTHER 1/	2,822	3,009	2,999	3,041	8	34,142	8	34,699
U S	8,680	8,813	8,937	8,794	19	114,528	19	109,199

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, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS									
HUMAN FOOD									
MINN	:	14,112	12,429	13,565	13,244	14,976	13,991	13,622	11,754
N Y 1/	:	2,859	2,920	3,102	3,967	2,926	4,086	3,580	3,184
UTAH	:	1,737	1,661	1,534	2,231	2,166	1,986	1,755	1,839
WIS	:	12,319	12,972	15,068	15,874	17,156	16,655	15,758	15,119
OTHER 1/	:	13,523	12,658	13,263	13,309	13,231	14,188	12,435	11,623
U S	:	44,550	42,640	46,532	48,625	50,455	50,906	47,150	43,519
ANIMAL FEED									
ILL 1/	:	535	524	642	508	1,931	1,769	1,134	557
KANS 1/	:	165	168	220	162	166	111	110	99
MINN	:	2,930	2,369	2,181	2,669	1,620	3,328	2,243	664
MO	:	1,499	1,381	1,804	1,960	2,213	2,056	2,091	1,766
N Y 1/	:	3,389	1,686	1,608	1,331	1,850	1,067	1,754	1,893
UTAH	:	79	56	166	148	165	408	278	89
WIS	:	4,407	3,846	5,384	5,466	6,191	6,665	6,110	5,225
OTHER 1/	:	5,412	5,993	7,744	7,717	7,655	7,024	6,022	6,131
U S	:	18,416	16,023	19,749	19,961	21,791	22,428	19,742	16,424
TOTAL DRY WHEY									
ILL 1/	:								
IOWA	:	5,598	4,893	5,527	5,660	6,122	5,708	5,048	5,011
KANS 1/	:	165	168	220	162	166	111	110	99
MINN	:	17,042	14,798	15,746	15,913	16,596	17,319	15,865	12,418
MO	:	1,499	1,381	1,804	1,960	2,213	2,056	2,091	1,766
NEBR 1/	:								
N Y	:	6,248	4,606	4,710	5,298	4,776	5,153	5,334	5,077
TENN 1/	:								
UTAH	:	1,816	1,717	1,700	2,379	2,331	2,394	2,033	1,928
WIS	:	16,726	16,818	20,452	21,340	23,347	23,320	21,868	20,344
OTHER 1/	:	13,872	14,282	16,122	15,874	16,695	17,273	14,543	13,300
U S	:	62,966	58,663	66,281	68,586	72,246	73,334	66,892	59,943

SEE FOOTNOTES ON PAGE 43.

TABLE 34--DRY WHEY
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
HUMAN FOOD								
MINN	11,704	12,165	12,414	11,964	11	151,764	11	155,940
N Y 1/	2,587	2,699	2,617	3,796			6	38,323
UTAH	1,686	1,753	1,647	1,561	4	24,403	4	21,556
WIS	13,699	12,046	10,828	12,432	17	166,952	14	169,926
OTHER 1/	9,806	10,337	9,000	10,336	28	171,947	24	143,709
U S	39,482	39,000	36,506	40,089	60	515,066	59	529,454
ANIMAL FEED								
ILL 1/	558	534	448	482			5	9,622
KANS 1/	103	50	66	69			5	1,489
MINN	347	657	664	1,833	8	21,459	7	21,505
MO	1,454	1,691	1,538	1,633	6	19,642	4	21,086
N Y 1/	1,727	1,346	1,067	465			6	19,183
UTAH	50	40	43	77	4	1,334	4	1,599
WIS	5,799	4,064	3,304	3,509	20	69,113	18	59,970
OTHER 1/	3,852	3,938	4,232	3,313	49	84,876	34	69,033
U S	13,890	12,320	11,362	11,381	87	196,424	83	203,487
TOTAL DRY WHEY								
ILL 1/					5	13,189		
IOWA	3,974	4,348	3,907	3,491	8	64,478	8	59,287
KANS 1/	103	50	66	69			5	1,489
MINN	12,051	12,822	13,078	13,797	13	173,223	12	177,445
MO	1,454	1,691	1,538	1,633	6	19,642	4	21,086
NEBR 1/					5	2,653		
N Y	4,314	4,045	3,684	4,261	6	36,046	7	57,506
TENN 1/					3	14,386		
UTAH	1,736	1,793	1,690	1,638	4	25,737	4	23,155
WIS	19,498	16,110	14,132	15,941	27	236,065	25	229,896
OTHER 1/	10,242	10,461	9,773	10,640	28	126,071	34	163,077
U S	53,372	51,320	47,868	51,470	105	711,490	99	732,941

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

TABLE 35--ICE CREAM, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	992	858	1,058	1,129	1,249	1,260	1,296	1,250
ARIZ	461	515	562	564	549	630	590	583
ARK	267	292	350	352	395	474	478	429
CALIF	6,351	6,308	7,713	7,346	8,076	8,743	8,643	9,286
COLO	615	763	773	741	793	819	869	935
CONN	1,249	1,413	1,859	1,986	2,068	2,562	2,191	2,362
FLA	2,309	2,348	3,104	2,909	2,740	2,942	2,909	2,902
GA	406	424	542	510	530	578	576	650
IDAHO	240	223	275	310	267	338	334	332
ILL	2,539	2,811	3,424	3,217	3,532	3,908	3,704	3,896
IND	1,825	1,854	2,141	2,054	2,085	2,323	2,200	2,366
IOWA	766	889	1,083	1,061	1,138	1,303	1,434	1,508
KANS	354	412	482	564	591	636	635	711
KY 1/								
LA	583	565	790	700	714	928	799	771
MAINE	54	53	60	63	82	60	77	69
MD 2/	1,479	1,285	1,878	1,867	1,971	2,052	2,008	2,073
MASS	2,853	2,670	3,673	3,411	3,758	4,156	4,185	4,463
MICH	2,381	2,320	2,773	2,660	3,175	3,341	3,355	3,333
MINN	2,252	2,421	2,782	2,808	2,941	3,206	3,076	3,324
MISS	335	322	399	393	438	571	479	489
MO	1,135	1,336	1,493	1,490	1,550	1,831	1,767	1,891
MONT	111	106	167	143	162	177	212	217
NERR	642	654	802	785	792	940	1,142	1,457
NEV	74	68	97	82	100	109	111	117
N H	63	68	82	85	102	123	143	138
N J	316	276	420	454	575	587	746	765
N MEX 1/	188	226	312	262	270	373	307	307
N Y	4,236	4,397	5,107	5,087	5,159	6,100	5,653	6,221
N C	1,898	1,762	2,256	2,221	2,473	2,873	2,783	2,816
N DAK	155	152	194	167	210	242	273	261
OHIO	3,110	3,237	4,233	3,904	4,281	4,465	4,366	4,734
OKLA	543	644	665	799	807	847	858	868
OREG	606	635	731	708	826	848	856	939
PA	5,125	4,801	6,205	5,668	6,932	6,749	7,006	7,712
R I	79	82	87	108	141	161	167	157
S C	726	897	1,061	961	1,017	1,155	999	1,026
S DAK 1/								
TENN	1,284	1,200	1,567	1,627	1,676	1,893	1,939	2,117
TEX	2,497	2,697	3,363	3,237	3,804	3,905	3,961	3,917
UTAH	530	497	710	656	709	719	769	797
VT	8	9	12	11	32	37	52	43
VA	556	485	649	642	743	735	767	915
WASH	1,135	1,139	1,321	1,389	1,344	1,656	2,059	1,890
W VA	153	136	165	200	227	220	223	211
WIS	1,226	1,316	1,553	1,436	1,632	1,769	1,887	1,890
OTHER 1/	537	588	780	748	854	859	887	972
U S	55,244	56,154	69,753	67,515	73,510	80,203	79,771	84,110

SEE FOOTNOTES ON PAGE 45.

TABLE 35--ICE CREAM, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL	
	SEP	OCT	NOV	DEC	1978 PRODUCTION	1979 PRODUCTION
1,000 GALLONS						
ALA	965	1,029	763	615	12,315	12,464
ARIZ	508	515	431	300	6,454	6,208
ARK	374	341	318	231	4,714	4,301
CALIF	7,356	8,010	6,122	5,157	88,230	89,111
COLO	735	793	629	601	8,728	9,066
CONN	1,506	1,640	1,867	1,659	18,662	22,362
FLA	2,781	2,748	2,350	2,511	31,149	32,553
GA	483	527	386	364	5,849	5,976
IDAHO	248	273	179	197	3,257	3,216
ILL	3,093	3,108	2,576	2,480	39,956	38,288
IND	2,142	1,924	1,799	1,599	26,624	24,312
IOWA	1,181	1,261	931	936	11,376	13,491
KANS	488	576	482	409	5,969	6,340
KY 1/					5,192	
LA	784	691	486	515	9,167	8,326
MAINE	31	25	26	25	4,202	625
MD 2/	1,793	1,593	1,132	925	20,424	20,056
MASS	3,912	3,461	3,146	2,775	42,909	42,463
MICH	2,786	2,657	2,130	2,157	34,909	33,068
MINN	2,647	2,783	2,299	1,984	31,879	32,523
MISS	446	367	251	257	4,822	4,747
MO	1,757	1,466	1,128	1,058	17,940	17,902
MONT	145	148	109	97	1,731	1,794
NEBR	801	859	736	689	10,156	10,299
NEV	88	96	77	69	1,162	1,088
N H	62	58	58	49	1,093	1,031
N J	479	424	371	334	5,837	5,747
N MEX 1/	270	258	166	212		3,151
N Y	5,911	5,119	4,412	4,501	61,234	61,903
N C	2,363	2,194	1,736	1,547	26,341	26,922
N DAK	188	208	177	152	2,432	2,379
OHIO	4,352	3,658	3,121	3,129	49,035	46,590
OKLA	749	842	561	533	8,893	8,716
OREG	653	654	593	545	7,952	8,594
PA	6,764	6,158	5,351	5,275	71,551	73,746
R I	135	103	108	73	1,466	1,401
S C	919	746	711	659	14,872	10,877
S DAK 1/					109	
TENN	1,536	1,403	1,229	900	19,417	18,371
TEX	3,484	3,182	2,538	2,166	37,435	38,751
UTAH	680	757	552	502	7,322	7,878
VT	27	19	13	9	201	272
VA	672	625	556	477	8,175	7,822
WASH	1,393	1,354	1,237	1,222	16,257	17,139
W VA	206	201	171	139	2,520	2,252
WIS	1,476	1,408	1,239	1,252	18,885	18,084
OTHER 1/	720	710	620	599	6,557	8,874
U S	70,089	66,972	55,873	51,885	815,360	811,079

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 MILK, TOTAL 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	542	491	689	695	774	826	765	813
ARIZ	349	409	529	405	382	334	336	450
ARK	153	188	238	285	292	345	348	311
CALIF 2/	1,877	1,904	2,426	2,301	2,630	2,741	2,788	2,802
COLO	299	338	388	417	523	518	601	620
CONN	182	171	223	246	437	384	300	332
FLA	1,071	1,087	1,379	1,470	1,325	1,378	1,400	1,511
GA	416	419	603	610	634	724	659	713
IDAHO	95	62	106	111	139	149	135	143
ILL	795	950	1,525	1,448	1,863	1,942	1,917	1,927
IND	495	523	752	548	720	715	706	769
IOWA 3/	287	240	393	416	650	594	667	689
KANS	215	316	439	428	486	538	524	580
KY	140	165	303	320	389	435	427	423
LA	244	267	369	379	489	449	394	416
MAINE	9	9	14	40	63	91	139	80
MD 4/	431	441	672	648	760	789	744	846
MASS	561	546	938	832	1,083	1,324	1,244	1,172
MICH	554	653	1,078	1,012	1,309	1,382	1,355	1,372
MINN	245	270	384	478	607	661	634	667
MISS 5/	190	178	284	271	312	379	315	322
MO	562	616	785	854	1,068	1,169	1,248	1,192
MONT 6/	60	77	114	113	140	141	163	163
NEBR	208	214	285	300	407	427	543	558
NEV	58	61	80	76	83	86	91	105
N H	14	21	42	53	71	87	118	96
N J	164	157	316	254	285	284	272	383
N MEX 7/	83	98	120	69	126	144	150	161
N Y	628	692	848	779	943	1,117	1,040	1,066
N C	666	611	848	884	1,004	1,084	1,122	1,172
N DAK	52	69	85	96	120	109	114	108
OHIO	1,038	985	2,100	2,140	2,616	2,919	2,853	2,861
OKLA	203	243	316	316	397	388	414	434
OREG 8/	238	273	378	308	443	502	484	513
PA	897	854	1,315	1,520	1,735	1,858	1,751	1,830
R I	26	22	28	39	58	79	86	88
S C	277	298	417	408	396	528	447	415
S DAK	16	19	39	47	87	70	76	62
TENN	421	381	544	554	733	673	708	749
TEX	697	818	926	985	1,133	1,252	1,149	1,241
UTAH	121	144	213	201	265	306	304	317
VT	26	29	39	36	55	63	65	64
VA	245	225	379	400	417	460	486	533
WASH	450	471	662	729	783	899	1,043	921
W VA	97	96	139	216	276	294	272	250
WIS	378	489	572	634	836	818	898	825
OTHER 7/	165	152	219	197	247	255	276	269
U S	16,940	17,742	25,541	25,568	30,591	32,710	32,571	33,334

SEE FOOTNOTES ON PAGE 47.

TABLE 36--ICE MILK, TOTAL 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL	
	SEP	OCT	NOV	DEC	1978 PRODUCTION	1979 PRODUCTION
1,000 GALLONS						
ALA	646	621	468	279	8,004	7,609
ARIZ	268	367	257	280	4,250	4,366
ARK	266	246	188	170	2,398	3,030
CALIF 2/	2,509	2,497	2,119	1,825	29,002	28,417
COLO	416	432	261	270	5,306	5,083
CONN	206	151	194	162	4,113	2,988
FLA	1,514	1,130	1,021	1,120	14,958	15,406
GA	634	543	501	410	7,065	6,866
IDAHO	107	121	85	71	1,507	1,324
ILL	1,448	1,353	1,029	826	16,081	17,023
IND	617	478	378	331	8,820	7,032
IOWA 3/	585	395	257	258	5,127	5,431
KANS	430	456	284	230	5,450	4,926
KY	303	254	182	159	3,858	3,500
LA	350	326	268	264	3,846	4,215
MAINE	35	14	12	12	1,150	518
MD 4/	615	596	424	389	7,435	7,355
MASS	863	745	594	552	9,779	10,454
MICH	918	780	604	530	12,948	11,547
MINN	397	324	238	217	5,177	5,122
MISS 5/	284	239	180	174	3,310	3,128
MO	976	794	667	539	10,389	10,470
MONT 6/	103	82	68	76	1,496	1,300
NEBR	342	269	166	164	4,028	3,883
NEV	91	92	77	63	1,006	963
N H	49	36	25	12	440	624
N J	245	242	238	200	2,284	3,040
N MEX 7/	128	99	83	77		1,338
N Y	984	794	530	594	10,869	10,015
N C	929	790	634	541	10,901	10,285
N DAK	75	65	52	44	1,069	989
OHIO	2,020	1,583	1,177	1,048	22,073	23,340
OKLA	350	386	272	221	4,861	3,940
OREG 8/	361	373	271	252	4,694	4,396
PA	1,245	1,015	818	732	18,343	15,570
R I	38	23	30	23	352	540
S C	420	368	308	212	6,506	4,494
S DAK	41	32	23	16	869	528
TENN	567	473	358	285	7,496	6,446
TEX	1,037	1,012	776	650	11,340	11,676
UTAH	232	231	138	132	2,930	2,604
VT	37	34	25	26	484	499
VA	369	344	305	238	4,083	4,401
WASH	763	614	574	476	8,380	8,385
W VA	181	158	112	95	2,609	2,186
WIS	564	415	341	297	8,594	7,067
OTHER 7/	199	196	158	156	4,383	2,489
U S	25,757	22,588	17,770	15,696	310,063	296,808

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/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 8/ INCLUDES SUBSTANDARD ICE CREAM.

TABLE 37--ICE MILK, HARD
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	286	251	350	371	385	426	388	394
ARK	44	56	63	76	63	82	98	66
CALIF	515	590	744	679	857	914	874	902
COLO	78	89	88	89	109	104	123	142
FLA	426	423	561	585	507	483	515	587
GA	53	56	73	86	98	117	105	94
IDAHO	36	15	29	34	34	42	27	39
ILL	169	196	272	238	283	319	309	276
IND	265	265	342	240	295	297	292	332
IOWA	93	88	119	150	162	171	183	179
KANS	70	113	125	124	127	162	138	176
KY 1/								
LA	83	52	76	73	126	106	71	76
MD 2/	104	119	143	153	173	179	157	173
MASS	236	242	376	284	366	418	398	408
MICH	110	123	258	154	191	206	217	196
MINN	95	83	88	109	96	113	103	128
MISS	71	59	95	89	104	127	101	99
MO	264	275	338	320	422	480	497	472
MONT	18	20	25	21	18	24	28	25
NEBR	108	103	107	113	162	168	244	246
NEV 1/								
N J	7	6	6	6	10	6	9	8
N Y	281	315	374	311	347	442	371	367
N C	386	350	496	466	529	576	585	644
N DAK	10	12	16	15	18	15	14	14
OHIO	223	210	334	354	296	400	354	382
OKLA	72	111	106	119	142	125	143	161
OREG	33	53	67	33	70	121	81	92
PA	390	366	466	593	613	668	571	630
S C	178	193	263	264	252	334	280	266
TENN	253	221	301	319	442	371	389	422
TEX	175	242	206	229	268	315	257	259
UTAH	45	60	85	72	94	97	85	110
VA	45	44	64	82	58	75	86	78
WASH	129	200	183	250	275	301	388	295
W VA	21	20	27	27	30	29	26	23
WIS	97	152	123	129	163	145	168	152
OTHER 1/	216	216	271	251	390	307	293	331
U S	5,685	5,989	7,660	7,508	8,575	9,265	8,968	9,244

SEE FOOTNOTES ON PAGE 49.

TABLE 37--ICE MILK, HARD
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	314	289	205	138	7	3,972	7	3,797
ARK.	64	62	50	36	7	788	7	760
CALIF	767	860	587	381	88	8,909	80	8,670
COLO	88	108	56	61	12	1,211	10	1,135
FLA	523	398	376	398	14	6,571	11	5,782
GA	68	72	54	35	5	972	5	911
IDAHO	33	40	22	13	5	407	5	364
ILL	195	257	161	114	33	3,139	30	2,789
IND	262	209	171	159	28	4,285	23	3,129
IOWA	166	129	97	87	15	1,260	13	1,624
KANS	137	146	84	75	8	1,413	9	1,477
KY 1/					8	456		
LA	68	57	29	35	16	970	20	852
MD 2/	138	130	56	79	8	1,709	8	1,604
MASS	268	251	229	214	13	3,995	9	3,690
MICH	147	124	83	96	28	1,851	27	1,905
MINN	81	64	55	51	7	1,058	8	1,066
MISS	91	72	53	47	8	1,202	7	1,008
MO	405	291	276	222	17	3,979	16	4,262
MONT	15	13	11	9	14	371	11	227
NEBR	144	111	70	79	10	1,689	9	1,655
NEV 1/					3	35		
N J	6	9	5	8	9	125	6	86
N Y	425	307	171	223	29	4,834	25	3,934
N C	501	415	320	265	17	5,766	17	5,533
N DAK	9	8	8	5	7	199	6	144
OHIO	333	253	164	193	39	3,662	35	3,496
OKLA	112	146	98	77	11	1,853	10	1,412
OREG	50	54	40	40	17	725	14	734
PA	465	400	340	313	42	6,613	38	5,815
S C	274	239	198	134	6	5,072	5	2,875
TENN	318	257	207	148	15	4,560	11	3,648
TEX	253	211	155	101	21	2,835	21	2,671
UTAH	72	87	47	51	12	1,025	11	905
VA	58	44	42	23	7	801	7	699
WASH	267	180	191	87	19	2,270	19	2,746
W VA	30	26	18	19	5	344	4	296
WIS	115	78	60	73	24	1,949	24	1,455
OTHER 1/	221	225	214	198	36	3,233	36	3,133
U S	7,483	6,622	5,003	4,287	670	96,108	604	86,289

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

TABLE 38--ICE MILK, SOFT
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	256	240	339	324	389	400	377	419
ARK	109	132	175	209	229	263	250	245
CALIF	1,362	1,314	1,682	1,622	1,773	1,827	1,914	1,900
COLO	221	249	300	328	414	414	478	478
FLA	645	664	818	885	818	895	885	924
GA	363	363	530	524	536	607	554	619
IDAHO	59	47	77	77	105	107	108	104
ILL	626	754	1,253	1,210	1,580	1,623	1,608	1,651
IND	230	258	410	308	425	418	414	437
IOWA	194	152	274	266	488	423	484	510
KANS	145	203	314	304	359	376	386	404
KY 1/								
LA	161	215	293	306	363	343	323	340
MD 2/	327	322	529	495	587	610	587	673
MASS	325	304	562	548	717	906	846	764
MICH	444	530	820	858	1,118	1,176	1,138	1,176
MINN	150	187	296	369	511	548	531	539
MISS	119	119	189	182	208	252	214	223
MO	298	341	447	534	646	689	751	720
MONT	42	57	89	92	122	117	135	138
NEBR	100	111	178	187	245	259	299	312
NEV 1/								
N J	157	151	310	248	275	278	263	375
N Y	347	377	474	468	596	675	669	699
N C	280	261	352	418	475	508	537	528
N DAK	42	57	69	81	102	94	100	94
OHIO	815	775	1,766	1,786	2,320	2,519	2,499	2,479
OKLA	131	132	210	197	255	263	271	273
OREG	205	220	311	275	373	381	403	421
PA	507	488	849	927	1,122	1,190	1,180	1,200
S C	99	105	154	144	144	194	167	149
TENN	168	160	243	235	291	302	319	327
TEX	522	576	720	756	865	937	892	982
UTAH	76	84	128	129	171	209	219	207
VA	200	181	315	318	359	385	400	455
WASH	321	271	479	479	508	598	655	626
W VA	76	76	112	189	246	265	246	227
WIS	281	337	449	505	673	673	730	673
OTHER 1/	852	940	1,365	1,277	1,608	1,721	1,771	1,799
U S	11,255	11,753	17,881	18,060	22,016	23,445	23,603	24,090

SEE FOOTNOTES ON PAGE 51.

TABLE 38--ICE MILK, SOFT
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL	
	SEP	OCT	NOV	DEC	1978 PRODUCTION	1979 PRODUCTION
1,000 GALLONS						
ALA	332	332	263	141	4,032	3,812
ARK	202	184	138	134	1,610	2,270
CALIF	1,742	1,637	1,532	1,442	20,093	19,747
COLO	328	324	205	209	4,095	3,948
FLA	991	732	645	722	8,387	9,624
GA	566	471	447	375	6,093	5,955
IDAHM	74	81	63	58	1,100	960
ILL	1,253	1,096	868	712	12,942	14,234
IND	355	269	207	172	4,535	3,903
IOWA	419	266	160	171	3,867	3,807
KANS	293	310	200	155	4,037	3,449
KY 1/					3,402	
LA	282	269	239	229	2,876	3,363
MD 2/	477	466	368	310	5,726	5,751
MASS	595	494	365	338	5,784	6,764
MICH	771	656	521	434	11,097	9,642
MINN	316	260	183	166	4,119	4,056
MISS	193	167	127	127	2,108	2,120
MO	571	503	391	317	6,410	6,208
MONT	88	69	57	67	1,125	1,073
NEBR	198	158	96	85	2,339	2,228
NEV 1/					971	
N J	239	233	233	192	2,159	2,954
N Y	559	487	359	371	6,035	6,081
N C	428	375	314	276	5,135	4,752
N DAK	66	57	44	39	870	845
OHIO	1,687	1,330	1,013	855	18,411	19,844
OKLA	238	240	174	144	3,008	2,528
OREG	311	319	231	212	3,969	3,662
PA	780	615	478	419	11,730	9,755
S C	146	129	110	78	1,434	1,619
TENN	249	216	151	137	2,936	2,798
TEX	784	801	621	549	8,505	9,005
UTAH	160	144	91	81	1,905	1,699
VA	311	300	263	215	3,282	3,702
WASH	496	434	383	389	6,110	5,639
W VA	151	132	94	76	2,265	1,890
WIS	449	337	281	224	6,645	5,612
OTHER 1/	1,174	1,073	852	788	12,808	15,220
U S	18,274	15,966	12,767	11,409	213,955	210,519

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

TABLE 39--MILK SHERBET 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	48	39	55	77	85	67	80	72
ALAS 2/								
ARIZ	26	28	28	33	36	39	39	52
ARK	16	16	18	21	29	25	30	25
CALIF	383	329	457	381	489	593	549	547
COLO	43	45	46	49	50	56	72	58
CONN	66	29	44	61	51	69	145	153
FLA	114	99	152	169	150	166	150	196
GA	28	23	30	35	36	37	40	46
IDAHO	14	10	13	18	15	18	28	19
ILL	132	146	197	178	261	266	238	235
IND	106	91	155	116	177	192	205	173
IOWA 2/								
KANS	17	34	33	35	43	55	46	58
KY 2/								
LA	41	32	48	49	42	58	60	53
MAINE 2/								
MD 3/	83	61	115	105	145	146	162	160
MASS	103	73	124	160	191	210	260	211
MICH	98	80	116	141	163	183	153	186
MINN	97	89	123	156	147	168	174	152
MISS	23	28	26	32	31	47	38	36
MO	85	72	103	125	166	173	162	153
MONT	3	2	11	10	3	15	10	12
NEBR	12	11	15	32	21	25	29	39
NEV 2/								
N H 2/								
N J	10	4	17	9	30	22	24	36
N Y	159	135	207	206	246	286	281	313
N C	123	86	123	150	152	197	170	186
N DAK	5	10	11	9	12	13	16	11
OHIO	195	171	218	263	320	331	334	240
OKLA	27	23	39	29	33	48	45	31
OREG	35	34	37	58	48	49	61	49
PA	166	127	239	247	253	363	275	335
R I	1	2	3	6	6	4	6	4
S C	83	67	101	112	86	121	116	88
TENN	72	66	93	96	125	115	120	119
TEX	172	187	214	277	233	282	289	278
UTAH	39	30	48	46	64	63	75	61
WASH	87	66	74	97	118	141	127	135
W VA	8	9	11	16	16	20	11	12
WIS	69	58	81	87	90	131	111	99
OTHER 2/	161	157	213	269	257	318	338	347
U S	2,950	2,569	3,638	3,960	4,420	5,112	5,069	4,980

SEE FOOTNOTES ON PAGE 53.

TABLE 39--MILK SHERBET 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL	
	SEP	OCT	NOV	DEC	1978 PRODUCTION	1979 PRODUCTION
1,000 GALLONS						
ALA	66	52	42	37	683	720
ALAS 2/					7	
ARIZ	25	31	24	19	410	380
ARK	22	17	16	16	334	251
CALIF	422	466	330	241	5,232	5,187
COLO	43	35	33	32	618	562
CONN	55	61	65	92	462	891
FLA	161	148	113	136	1,657	1,754
GA	30	37	24	20	383	386
IDAHO	6	12	13	6	169	172
ILL	172	145	156	141	2,493	2,267
IND	152	133	88	98	1,849	1,686
IOWA 2/					897	
KANS	39	33	34	28	476	455
KY 2/					509	
LA	49	46	25	33	683	536
MAINE 2/					442	
MD 3/	119	93	54	55	1,293	1,298
MASS	150	127	117	103	2,102	1,829
MICH	101	97	86	92	1,717	1,496
MINN	119	98	103	81	1,507	1,507
MISS	36	26	19	25	359	367
MO	101	74	101	64	1,268	1,379
MONT	6	5	2	2	86	81
NEBR	23	18	12	14	316	251
NEV 2/					82	
N H 2/					108	
N J	14	9	13	6	216	194
N Y	220	184	152	152	2,774	2,541
N C	153	108	77	96	1,792	1,621
N DAK	11	9	7	8	129	122
OHIO	187	203	130	209	2,752	2,801
OKLA	50	24	29	15	524	393
OREG	36	29	25	27	458	488
PA	251	169	153	207	3,015	2,785
R I	5	3	4	1	130	45
S C	92	56	63	58	1,646	1,043
TENN	100	84	65	59	1,247	1,114
TEX	259	263	154	141	2,814	2,749
UTAH	49	49	31	27	514	582
WASH	78	66	84	85	1,642	1,158
W VA	11	13	11	11	202	149
WIS	77	59	72	62	890	996
OTHER 2/	217	203	178	162	1,147	2,820
U S	3,707	3,285	2,705	2,661	48,034	45,056

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/ INCLUDES DISTRICT OF COLUMBIA.

TABLE 40--MELLORINE TYPE PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 GALLONS									
FROZEN PRODUCT 1/									
ARK :	29	28	44	34	37	45	46	40	
CALIF 2/ :	234	221	268	257	239	294	221	299	
ILL :	50	58	75	85	110	122	127	119	
IND :	10	8	16	18	16	8	27	14	
IOWA 3/ :	105	160	157	155	140	173	154	206	
LA 3/ :									
MO :	34	35	44	50	29	64	98	34	
OKLA :	26	31	33	35	33	31	41	36	
OREG :	26	15	24	17	24	22	24	17	
TEX :	380	510	631	616	778	770	716	724	
OTHER 3/ :	66	91	125	130	155	134	153	139	
U S :	960	1,157	1,417	1,397	1,561	1,663	1,607	1,628	
MIX FOR FROZEN PRODUCT									
ARK :	14	14	22	16	18	22	23	20	
CALIF :	132	122	157	141	142	156	135	158	
ILL :	40	46	59	62	85	101	93	91	
IOWA 3/ :	105	125	123	123	116	127	124	176	
LA 3/ :									
MO :	8	8	13	12	6	16	20	8	
OKLA :	11	13	14	15	14	13	17	15	
OREG :	13	8	12	9	12	11	12	8	
TEX :	205	302	343	328	428	411	359	393	
OTHER 3/ :	30	40	64	72	83	65	86	69	
U S :	558	678	807	778	904	922	869	938	

TABLE 41--OTHER FROZEN DAIRY PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 GALLONS									
COLO :	2	8	9	11	23	17	15	15	
CONN :	21	50	89	114	129	59	61	107	
FLA 3/ :	7	9	12	13	13	17	14	16	
ILL :	30	35	52	49	51	50	57	54	
IND 3/ :	44	28	58	64	85	84	61	72	
LA :	7	5	14	16	14	18	16	9	
MASS :	30	34	81	36	43	47	46	54	
MO 3/ :	21	45	62	45	55	55	54	52	
N Y :	181	214	313	467	501	610	549	504	
OKLA 3/ :	14	13	24	24	29	38	31	29	
PA :	63	66	93	93	115	107	95	79	
TENN :	13	20	35	28	38	35	27	34	
WASH :	15	25	27	35	27	31	29	30	
OTHER 3/ :	144	185	211	302	266	338	295	312	
U S :	592	737	1,080	1,297	1,389	1,506	1,350	1,367	

SEE FOOTNOTES ON PAGE 55.

TABLE 40--MELLORINE TYPE PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
1,000 GALLONS				NUMBER 1,000 GAL				
FROZEN PRODUCT 1/								
ARK :	27	34	32	17	468		413	
CALIF 2/ :	226	210	150	106	3,421		2,725	
ILL :	106	80	78	60	954		1,070	
IND :	10	11	3	3	221		144	
IOWA 3/ :	156	112	130	113			1,761	
LA 3/ :					32			
MO :	38	47	21	25	527		519	
OKLA :	29	40	22	18	456		375	
OREG :	16	19	13	13	261		230	
TEX :	562	510	421	295	7,949		6,913	
OTHER 3/ :	116	127	103	83	1,975		1,422	
U S :	1,286	1,190	973	733	4/ 16,264		4/ 15,572	
MIX FOR FROZEN PRODUCT								
ARK :	14	17	16	8	7	236	7	204
CALIF :	128	151	103	76	17	1,911	12	1,601
ILL :	79	68	58	47	13	723	13	829
IOWA 3/ :	84	106	114	108			8	1,431
LA 3/ :					7	17		
MO :	10	12	5	6	8	176	5	124
OKLA :	12	17	9	8	8	219	8	158
OREG :	8	10	6	6	5	129	5	115
TEX :	291	291	210	155	31	4,742	30	3,716
OTHER 3/ :	54	65	49	39	18	1,125	18	716
U S :	680	737	570	453	114	9,278	106	8,894

TABLE 41--OTHER FROZEN DAIRY PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
1,000 GALLONS				NUMBER 1,000 GAL				
COLO :	7	4	2	3	3	160	3	116
CONN :	72	78	26	14	5	848	5	820
FLA 3/ :	10	11	11	5			3	138
ILL :	51	31	47	26	7	293	6	533
IND 3/ :	85	40	31	19			4	671
LA :	14	9	7	6	4	147	4	135
MASS :	33	8	6	12	8	788	5	430
MO 3/ :	27	29	25	9			5	479
N Y :	275	166	113	117	20	5,606	16	4,010
OKLA 3/ :	32	20	20	13			5	287
PA :	94	77	58	59	6	816	8	999
TENN :	29	24	22	13	4	254	5	318
WASH :	19	23	16	13	4	275	4	290
OTHER 3/ :	265	202	138	150	40	3,649	35	2,808
U S :	1,013	722	522	459	101	12,836	108	12,034

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

2/ DESIGNATED AS "IMITATION ICE CREAM".

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

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

TABLE 42--WATER ICES 1/
 PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

		1979							
STATE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS									
ALA	:	31	29	37	58	74	49	74	72
CALIF	:	194	229	247	278	319	367	366	348
COLO	:	18	15	30	38	57	49	63	62
CONN	:	28	5	24	16	19	127	106	126
FLA	:	61	75	126	105	144	182	138	110
ILL	:	54	36	46	78	95	117	120	102
IND	:	198	244	219	227	227	263	280	235
KANS 2/	:	13	17	14	10	26	26	32	16
LA	:	6	10	13	22	20	29	20	21
MD 3/	:	39	83	170	255	313	367	263	233
MASS 2/	:								
MICH 2/	:								
MISS	:	6	15	18	24	24	43	32	33
MO	:	59	113	146	179	234	237	227	213
N J	:	1	4	2	6	34	34	42	34
N Y	:	28	38	121	153	255	264	302	282
N C	:	65	70	134	175	190	205	193	208
N DAK 2/	:	6	41	17	21	85	118	104	72
OHIO	:	151	216	222	235	341	403	290	238
OKLA	:	6	11	17	17	16	40	28	22
PA	:	59	90	177	178	323	369	355	355
TENN	:	15	25	41	57	74	79	58	59
TEX	:	81	88	154	163	221	266	274	203
UTAH	:		5	5	6	15	52	34	22
VA 2/	:	5	2	4	9	9	9	17	12
WASH	:	16	42	37	45	23	63	101	73
W VA 2/	:								
WIS	:	62	119	174	220	227	244	231	184
OTHER 2/	:	193	352	568	553	721	728	664	665
U S	:	1,395	1,974	2,763	3,128	4,086	4,730	4,414	4,000

SEE FOOTNOTES ON PAGE 57.

TABLE 42--WATER ICES 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	49	41	22	9	4	725	4	545
CALIF	308	302	189	67	14	3,541	11	3,214
COLO	16	18	4	12	5	370	5	382
CONN	17	13	15	18	8	544	8	514
FLA	97	73	60	56	8	1,293	7	1,227
ILL	67	67	49	52	10	1,059	9	883
IND	145	243	134	118	8	2,140	7	2,533
KANS 2/	13	9	4	7			3	187
LA	20	13	11	3	7	207	5	188
MD 3/	95	72	78	44	9	1,922	9	2,012
MASS 2/					6	481		
MICH 2/					8	155		
MISS	27	15	12	8	5	260	5	257
MO	74	46	28	19	4	1,595	4	1,575
N J	1	1	1	1	8	183	8	161
N Y	121	33	66	29	28	1,583	25	1,692
N C	126	83	62	49	13	1,467	13	1,560
N DAK 2/3/	16	18	9	4			1	511
OHIO	102	53	42	46	14	3,697	13	2,339
OKLA	19	16	8	5	3	259	3	205
PA	141	85	50	38	17	2,480	15	2,220
TENN	40	35	27	25	7	596	7	535
TEX	154	101	70	44	16	1,722	13	1,819
UTAH	10			2	4	190	4	151
VA 2/	8	12	9	17			4	113
WASH	7	2	7	9	4	376	4	425
W VA 2/					3	399		
WIS	51	64	19	58	4	1,713	4	1,653
OTHER 2/	271	198	129	108	46	5,008	43	5,150
U S	1,995	1,613	1,105	848	263	33,965	234	32,051

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.

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

TABLE 43--ICE CREAM MIX
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	490	423	512	555	614	608	635	619
ARIZ	227	254	278	280	271	316	288	288
ARK	142	152	177	182	207	250	246	230
CALIF	3,216	3,236	3,904	3,808	4,088	4,417	4,400	4,617
COLO	320	399	395	371	402	417	443	475
CONN	604	683	930	992	1,041	1,304	1,117	1,182
FLA	1,192	1,202	1,570	1,508	1,405	1,500	1,468	1,522
GA	201	205	264	246	258	279	276	316
IDAHO	125	119	140	165	138	177	173	177
ILL	1,359	1,451	1,741	1,622	1,795	2,016	1,938	1,987
IND	1,019	1,013	1,033	993	1,000	1,151	1,076	1,141
IOWA	390	450	550	537	575	651	741	792
KANS	177	209	245	290	287	320	319	358
KY 1/								
LA	291	282	397	354	358	466	393	388
MAINE	33	27	31	31	42	28	33	31
MO 2/	719	635	929	955	986	1,043	1,020	1,016
MASS	1,418	1,282	1,764	1,777	1,944	2,160	2,167	2,248
MICH	1,173	1,160	1,362	1,316	1,617	1,652	1,746	1,712
MINN	1,046	1,140	1,309	1,359	1,382	1,526	1,455	1,544
MISS	171	166	201	199	228	288	245	246
MO	565	616	706	711	739	889	861	925
MONT	43	55	84	76	83	79	111	108
NEBR	316	332	403	399	398	470	568	719
NEV	40	37	52	50	53	58	61	61
N H 1/								
N J	129	116	190	224	309	316	401	389
N MEX	113	114	133	135	149	158	163	167
N Y	2,205	2,261	2,663	2,828	3,091	3,584	3,437	3,610
N C	991	913	1,135	1,121	1,274	1,390	1,438	1,421
N DAK	78	77	96	85	102	117	137	132
OHIO	1,558	1,661	2,122	2,003	2,205	2,309	2,268	2,355
OKLA	286	329	353	398	423	417	428	432
OREG	298	315	355	350	398	423	425	465
PA	2,544	2,417	3,207	2,915	3,622	3,597	3,712	4,030
R I	38	39	44	53	70	79	82	76
S C	382	461	551	503	524	609	531	541
S DAK	47	48	61	55	52	57	62	67
TENN	666	595	793	838	849	972	971	1,064
TEX	1,299	1,591	1,757	1,675	1,923	1,955	2,000	1,922
UTAH	279	274	371	347	377	378	399	417
VT 1/								
VA	318	280	373	367	429	423	441	528
WASH	587	581	646	697	686	848	1,053	969
W VA	78	72	89	101	118	111	117	111
WIS	602	666	795	759	853	926	1,011	987
OTHER 1/	318	347	447	448	510	543	577	595
U S	28,093	28,685	35,158	34,678	37,875	41,277	41,433	42,980

SEE FOOTNOTES ON PAGE 59.

TABLE 43--ICE CREAM MIX
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	477	509	379	299	9	6,089	8	6,120
ARIZ	258	252	213	149	7	3,219	6	3,074
ARK	196	184	144	119	9	2,542	9	2,229
CALIF	3,740	4,060	2,975	2,630	43	44,715	43	45,091
COLO	367	415	309	300	16	4,659	13	4,613
CONN	778	806	904	804	12	9,019	10	11,145
FLA	1,432	1,431	1,202	1,276	17	16,020	15	16,708
GA	233	255	194	174	10	2,883	9	2,901
IDAHO	129	142	87	107	6	1,684	7	1,679
ILL	1,590	1,584	1,328	1,264	34	20,587	29	19,675
IND	1,026	912	876	749	21	13,061	19	11,989
IOWA	595	637	467	456	18	5,553	20	6,841
KANS	244	294	237	201	9	3,002	13	3,181
KY 1/					11	2,710		
LA	392	341	233	249	18	4,617	17	4,144
MAINE	15	13	14	10	13	2,108	10	308
MD 2/	883	792	555	451	11	10,169	11	9,984
MASS	1,965	1,677	1,601	1,366	29	21,702	25	21,369
MICH	1,450	1,394	1,104	1,103	33	17,905	31	16,789
MINN	1,303	1,326	1,062	916	8	15,983	7	15,368
MISS	229	187	128	129	9	2,434	8	2,417
MO	834	723	548	501	16	8,576	15	8,618
MONT	70	81	50	52	12	874	12	892
NEBR	403	433	364	347	10	5,059	9	5,152
NEV	48	48	42	36	3	616	3	586
N H 1/					7	601		
N J	229	186	163	141	12	2,879	11	2,793
N MEX	137	120	82	103	3	1,384	3	1,574
N Y	3,140	2,658	2,269	2,226	56	33,638	50	33,972
N C	1,188	1,092	893	761	19	13,493	19	13,617
N DAK	95	104	93	75	11	1,231	11	1,191
OHIO	2,166	1,839	1,565	1,566	49	24,510	48	23,617
OKLA	372	417	285	269	14	4,465	14	4,409
OREG	315	328	301	272	20	4,188	17	4,245
PA	3,456	3,042	2,687	2,598	64	37,124	60	37,827
R I	66	49	49	36	8	772	7	681
S C	480	398	389	341	6	7,798	6	5,710
S DAK	49	61	42	43	5	735	4	644
TENN	790	730	609	483	16	9,614	14	9,360
TEX	1,733	1,613	1,269	1,092	31	19,925	28	19,829
UTAH	350	371	278	260	12	3,827	12	4,101
VT 1/					6	270		
VA	388	361	318	273	8	4,782	9	4,499
WASH	696	700	621	595	16	8,221	16	8,679
W VA	101	98	82	74	7	1,278	7	1,152
WIS	774	720	644	633	31	9,445	26	9,370
OTHER 1/	428	415	364	350	8	2,059	22	5,342
U S	35,610	33,798	28,019	25,879	793	418,025	733	413,485

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

2/ INCLUDES DISTRICT OF COLUMBIA.

TABLE 44--ICE MILK MIX 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	291	273	386	371	445	458	429	478
ARIZ	181	207	270	250	229	202	203	278
ARK	119	143	191	227	251	289	272	269
CALIF	1,175	1,182	1,506	1,433	1,626	1,692	1,729	1,734
COLO	185	205	249	273	343	343	396	396
CONN 2/	94	93	153	164	252	257	195	195
FLA	625	644	793	860	788	870	854	896
GA	292	290	428	422	433	489	445	499
IDAHO	41	34	54	54	74	75	76	73
ILL	542	660	1,091	1,056	1,381	1,413	1,400	1,446
IND	233	259	414	313	432	423	418	441
IOWA	186	147	261	254	461	401	458	487
KANS	136	191	296	286	341	355	366	382
KY	97	112	207	219	266	297	294	291
LA	109	146	197	206	246	231	218	230
MAINE	4	4	6	17	27	39	58	34
MASS	339	317	588	577	753	947	887	803
MICH	332	394	609	641	833	880	849	876
MINN	142	177	280	349	483	518	503	510
MISS	109	108	172	165	190	229	195	202
MO	260	295	390	465	564	600	652	627
MONT	32	43	70	71	93	89	103	105
NEBR	104	114	183	194	252	267	309	321
NEV	38	41	52	50	55	56	60	69
N J	95	90	187	149	165	167	158	226
N MEX	42	47	60	34	64	72	77	83
N Y	390	431	541	533	677	765	758	797
N C	391	364	494	585	671	716	753	739
N DAK	23	31	38	44	56	51	55	51
OHIO	625	599	1,368	1,379	1,790	1,943	1,927	1,920
OKLA	110	111	176	165	215	221	226	228
OREG	149	161	226	200	271	278	292	307
PA	401	387	677	740	892	941	937	951
R I	8	7	10	14	21	29	31	29
S C	116	123	180	170	169	229	195	175
S DAK	18	23	46	55	103	84	90	75
TENN	192	181	277	267	331	344	363	371
TEX	438	486	606	631	729	784	751	821
UTAH	97	108	148	144	184	210	209	218
VT 2/								
VA	322	291	510	516	582	620	645	739
WASH	310	262	460	464	491	576	633	605
W VA	38	43	65	108	139	147	141	135
WIS	169	224	308	316	420	423	478	426
OTHER 2/	301	294	461	437	535	563	576	613
U S	9,901	10,342	15,684	15,868	19,323	20,583	20,664	21,153

SEE FOOTNOTES ON PAGE 61.

TABLE 44--ICE MILK MIX 1/
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978		1979	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	380	377	298	163	17	4,647	16	4,349
ARIZ	203	222	193	166	6	2,608	6	2,604
ARK	221	202	152	147	10	2,275	10	2,483
CALIF	1,558	1,537	1,325	1,158	44	18,022	40	17,655
COLO	273	269	172	172	16	3,484	12	3,278
CONN 2/	149	95	106	97			6	1,850
FLA	957	708	619	698	22	8,912	21	9,312
GA	454	380	358	304	13	4,841	16	4,794
IDAHO	52	57	45	41	7	705	6	676
ILL	1,089	961	758	625	36	12,106	34	12,422
IND	361	272	208	174	22	5,044	19	3,948
IOWA	398	255	153	166	24	3,376	25	3,627
KANS	278	292	188	148	15	3,479	17	3,259
KY	209	175	125	109	16	2,480	15	2,401
LA	191	183	161	155	20	2,019	20	2,273
MAINE	15	6	5	5	11	632	11	220
MASS	619	518	382	355	18	6,808	14	7,085
MICH	573	486	389	323	31	8,280	28	7,185
MINN	299	246	173	157	12	3,959	8	3,837
MISS	176	152	115	116	17	2,014	16	1,929
MO	498	440	338	275	17	5,077	17	5,404
MONT	71	52	43	51	11	890	13	823
NEBR	205	164	99	88	10	2,469	13	2,300
NEV	61	61	51	43	3	658	3	637
N J	145	140	140	116	8	1,849	7	1,778
N MEX	66	51	42	40	3	703	3	678
N Y	634	550	405	420	33	7,479	30	6,901
N C	598	529	441	385	19	6,738	19	6,666
N DAK	36	31	24	21	7	506	9	461
OHIO	1,294	1,026	782	660	55	14,731	53	15,313
OKLA	200	202	146	120	14	2,698	13	2,120
OREG	227	233	169	154	19	2,873	18	2,667
PA	617	489	378	331	54	9,495	51	7,741
R I	12	8	10	8	5	113	4	187
S C	172	152	130	92	10	3,033	10	1,903
S DAK	48	37	27	19	6	668	4	625
TENN	282	245	173	157	16	3,676	14	3,183
TEX	658	673	523	461	34	7,195	34	7,561
UTAH	165	161	106	100	12	2,087	12	1,850
VT 2/					5	315		
VA	504	482	422	344	14	5,584	15	5,977
WASH	481	418	368	373	19	5,524	19	5,441
W VA	90	80	57	46	8	1,189	6	1,089
WIS	294	238	175	158	22	4,242	23	3,629
OTHER 2/	423	407	325	284	29	6,746	23	5,219
U S	16,236	14,262	11,299	10,025	790	192,229	753	185,340

1/ INCLUDES MILKSHAKE MIX.

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

TABLE 45--MILK SHERBET MIX
 PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	35	27	34	51	56	52	54	48
ARIZ	17	18	16	22	22	23	26	33
ARK	10	9	10	13	18	14	18	16
CALIF	243	217	293	262	321	392	337	355
COLO	29	29	30	32	32	36	46	36
CONN	45	20	30	42	35	46	101	106
FLA	72	63	97	109	100	106	96	125
GA	20	15	19	22	22	23	25	29
IDAHO	11	9	10	12	11	11	19	14
ILL	92	92	144	113	156	172	163	150
IND	72	61	99	77	117	126	120	117
IOWA 1/								
KANS	11	22	21	23	28	35	29	37
KY 1/								
LA	25	19	30	29	25	36	35	33
MD 2/	54	44	69	68	90	91	98	94
MASS	65	47	101	96	132	175	154	162
MICH	53	54	69	88	80	106	94	98
MINN	65	62	84	93	85	102	109	92
MISS	15	19	16	21	20	30	24	23
MO	60	30	69	77	97	112	97	99
MONT	1	2	8	6	2	9	6	8
NEBR	8	7	10	19	13	16	18	25
NEV 1/								
N H 1/								
N J	6	2	10	6	13	13	16	22
N Y	106	100	150	150	178	199	204	231
N C	83	57	78	104	100	124	116	122
N DAK	3	6	8	6	9	8	9	9
OHIO	115	120	166	194	222	242	241	188
OKLA	17	15	26	19	21	32	29	20
OREG	24	21	25	37	32	32	39	32
PA	114	84	164	167	169	250	181	216
R I	0	2	2	4	4	3	5	3
S C	52	37	63	72	55	72	75	57
TENN	51	41	65	62	81	77	78	82
TEX	124	123	143	171	146	173	195	183
UTAH	25	18	29	29	41	40	45	37
WASH	45	42	49	70	76	91	88	69
N VA	5	5	6	8	10	9	6	6
WIS	32	34	44	51	49	64	53	51
OTHER 1/	117	102	152	179	182	221	227	235
U S	1,922	1,675	2,443	2,604	2,850	3,363	3,276	3,283

SEE FOOTNOTES ON PAGE 63.

TABLE 45--MILK SHERBET MIX
PRODUCTION BY STATES, BY MONTHS, 1979 AND ANNUAL 1978 AND 1979

STATE	1979				ANNUAL			
	SEP	OCT	NOV	DEC	1978	1979		
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	43	34	28	25	7	458	7	487
ARIZ	16	20	15	12	4	267	4	242
ARK	13	11	10	10	6	207	6	152
CALIF	291	311	217	150	33	3,529	31	3,389
COLOR	27	23	20	20	10	374	8	360
CONN	38	41	44	65	9	316	7	613
FLA	103	95	73	87	12	1,068	12	1,126
GA	19	22	15	13	8	244	7	244
IDAHO	5	9	9	4	4	120	5	124
ILL	117	108	92	94	25	1,643	24	1,493
IND	94	83	56	60	18	1,249	16	1,082
IOWA 1/					11	649		
KANS	26	21	22	18	7	315	8	293
KY 1/					7	325		
LA	29	29	14	20	15	417	13	324
MD 2/	74	55	37	34	9	859	9	808
MASS	89	87	66	64	22	1,437	17	1,238
MICH	60	60	53	57	24	1,112	21	872
MINN	70	77	58	43	8	990	5	940
MISS	24	18	11	16	8	228	7	237
MO	72	46	62	40	14	801	13	861
MONT	3	4	1	1	9	46	8	51
NEBR	14	11	8	9	7	199	7	158
NEV 1/					3	50		
N H 1/					5	69		
N J	9	6	8	4	6	132	6	115
N Y	159	125	105	102	32	1,984	29	1,809
N C	96	71	49	65	15	1,129	15	1,065
N DAK	6	6	5	5	6	79	6	80
OHIO	136	147	91	131	36	1,987	36	1,995
OKLA	32	16	19	9	10	342	9	255
OREG	21	19	19	17	14	283	12	318
PA	158	114	98	130	44	2,003	39	1,845
R I	3	2	3	0	7	122	5	31
S C	57	36	36	37	5	1,039	5	649
TENN	63	56	45	40	13	815	11	741
TEX	173	168	101	80	26	1,880	27	1,780
UTAH	30	31	19	16	11	323	11	360
WASH	50	45	53	50	15	1,073	15	748
W VA	8	8	8	6	4	102	5	85
WIS	38	31	35	34	16	523	18	516
OTHER 1/	140	136	119	104	21	1,138	45	1,914
U S	2,406	2,182	1,724	1,672	566	31,926	529	29,400

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

2/ INCLUDES DISTRICT OF COLUMBIA.

TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION, HARD AND SOFT, BY STATES, 1979

STATE	TOTAL FROZEN PRODUCTS 1/						ICE CREAM				ICE MILK 3/			
	PRODUCTION		AS %		OF TOTAL		PRODUCTION		AS %		PRODUCTION		AS %	
	OF TOTAL		OF TOTAL		OF TOTAL		ICE CREAM		ICE CREAM		ICE MILK		ICE MILK	
	TOTAL	HARD	SOFT	HARD	SOFT	HARD	SOFT	HARD	SOFT	HARD	SOFT	HARD	SOFT	
	1,000 GALLONS		PERCENT		1,000 GALLONS		PERCENT		1,000 GALLONS		PERCENT			
ALA	20,793	16,981	3,812	82	18	12,464	100		3,797	3,812	50	50		
ARIZ	2/	2/	2/	2/	2/	6,208	100		2/	2/	2/	2/		
ARK	7,995	5,725	2,270	72	28	4,301	100		760	2,270	25	75		
CALIF	125,440	105,693	19,747	84	16	89,111	100		8,670	19,747	31	69		
COLO	14,711	10,763	3,948	73	27	9,066	100		1,135	3,948	22	78		
CONN	2/	2/	2/	2/	2/	20,938	1,424	94	6	2/	2/	2/	2/	
FLA	2/	2/	2/	2/	2/	31,176	1,377	96	4	5,782	9,624	38	62	
GA	13,228	7,160	6,068	54	46	5,863	113	98	2	911	5,955	13	87	
IDAHO	4,712	3,752	960	80	20	3,216		100		364	960	27	73	
ILL	58,648	42,928	15,720	73	27	37,680	608	98	2	2,789	14,234	16	84	
IND	33,174	29,127	4,047	88	12	24,312		100		3,129	3,903	44	56	
IOWA	2/	2/	2/	2/	2/	13,350	141	99	1	1,624	3,807	30	70	
KANS	11,721	8,272	3,449	71	29	6,340		100		1,477	3,449	30	70	
KY	2/	2/	2/	2/	2/	2/				2/	2/	2/	2/	
LA	2/	2/	2/	2/	2/	8,225	101	99	1	852	3,363	20	80	
MAINE	2/	2/	2/	2/	2/	625		100		2/	2/	2/	2/	
MD 4/	28,709	21,989	6,720	77	23	19,126	930	95	5	1,604	5,751	22	78	
MASS	54,746	46,494	8,252	85	15	40,975	1,488	96	4	3,690	6,764	35	65	
MICH	2/	2/	2/	2/	2/	32,456	612	98	2	1,905	9,642	16	84	
MINN	2/	2/	2/	2/	2/	32,523		100		1,066	4,056	21	79	
MISS	8,242	6,095	2,147	74	26	4,720	27	99	1	1,008	2,120	32	68	
MO	30,270	23,762	6,508	79	21	17,884	18	100		4,262	6,208	41	59	
MONT	2/	2/	2/	2/	2/	1,794		100		227	1,073	17	83	
NEBR	2/	2/	2/	2/	2/	2/	2/	2/	2/	1,655	2,228	43	57	
NEV	2/	2/	2/	2/	2/	1,001	87	92	8	2/	2/	2/	2/	
N H	2/	2/	2/	2/	2/	1,031		100		2/	2/	2/	2/	
N J	8,981	3,795	5,186	42	58	3,515	2,232	61	39	86	2,954	3	97	
N Y	74,459	58,500	15,959	79	21	52,222	9,681	84	16	3,934	6,081	39	61	
N C	38,828	34,076	4,752	88	12	26,922		100		5,533	4,752	54	46	
N DAK	3,490	2,645	845	76	24	2,379		100		144	845	15	85	
OHIO	2/	2/	2/	2/	2/	45,771	819	98	2	3,496	19,844	15	85	
OKLA	13,424	10,738	2,686	80	20	8,621	95	99	1	1,412	2,528	36	64	
OREG	13,708	9,834	3,874	72	28	8,382	212	98	2	734	3,662	17	83	
PA	92,101	78,508	13,593	85	15	70,000	3,746	95	5	5,815	9,755	37	63	
R I	2/	2/	2/	2/	2/	1,338	63	96	4	2/	2/	2/	2/	
S C	16,414	14,795	1,619	90	10	10,877		100		2,875	1,619	64	36	
S DAK	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	
TENN	2/	2/	2/	2/	2/	18,102	269	99	1	3,648	2,798	57	43	
TEX	60,089	49,512	10,577	82	18	38,707	44	100		2,671	9,005	23	77	
UTAH	11,064	9,064	2,000	82	18	7,584	294	96	4	905	1,699	35	65	
VT	2/	2/	2/	2/	2/	255	17	94	6	2/	2/	2/	2/	
VA	2/	2/	2/	2/	2/	7,642	180	98	2	699	3,702	16	84	
WASH	26,682	20,501	6,181	77	23	16,654	485	97	3	2,746	5,639	33	67	
W VA	4,587	2,697	1,890	59	41	2,252		100		296	1,890	14	86	
WIS	26,147	20,433	5,714	78	22	18,084		100		1,455	5,612	21	79	
OTH STS 2/	366,152	284,228	81,924	78	22	22,257	67	100		3,133	15,220	17	83	
U S	1,168,515	928,067	240,448	79	21	785,949	25,130	97	3	86,289	210,519	29	71	

SEE FOOTNOTES ON PAGE 65.

TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION, HARD AND SOFT, BY STATES, 1979

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	720	100								100		
ARIZ	380	100	2/	2/						100		
ARK	251	100	413	100						100		
CALIF	5,187	100	2,725	100						100		
COLO	562	100								100		
CONN	891	100						42		58		
FLA	1,712	42	98	2	2/	2/		12		87		1
GA	386	100						2		98		
IDAHO	172	100								100		
ILL	2,267	100	192	878	18	82		4		90		6
IND	1,686	100		144	100					96		4
IOWA	2/	2/	2/	2/	2/	2/		3		83		14
KANS	455	100								100		
KY	2/	2/								100		
LA	536	100	2/	2/				3		97		
MAINE	2/	2/								100		
MD 4/	1,259	39	97	3				14		85		1
MASS	1,829	100						18		82		
MICH	1,418	78	95	5	2/	2/		6		93		1
MINN	1,502	5	100	2/	2/					100		
MISS	367	100						1		99		
MO	1,379	100	237	282	46	54				96		4
MONT	81	100	2/	2/						100		
NEBR	251	100						1		99		
NEV	2/	2/		2/	2/			8		89		3
N H	2/	2/								100		
N J	194	100						43		57		
N Y	2,344	197	92	8				61		38		1
N C	1,621	100								100		
N DAK	122	100								100		
OHIO	2,801	100		2/	2/			4		96		
OKLA	393	100	312	63	83	17		4		94		2
OREG	488	100	230	100				5		95		
PA	2,693	92	97	3				28		71		1
R I	45	100						13		87		
S C	1,043	100								100		
S DAK	2/	2/								100		
TENN	1,114	100	2/	2/	2/	2/		8		82		10
TEX	2,537	212	92	8	5,597	1,316	81	19		86		2
UTAH	575	7	99	1				15		85		
VT	2/	2/						3		97		
VA	2/	2/						5		95		
WASH	1,101	57	95	5				8		91		1
W VA	149	100								100		
WIS	894	102	90	10						98		2
OTH STS 2/	2,815	5	100		1,903	1,280	60	40				
U S	44,220	836	98	2	11,609	3,963	75	25	10	88		2

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 47--WHOLE MILK EQUIVALENT USED IN MANUFACTURED DAIRY PRODUCTS: CALCULATED QUANTITIES USED IN SPECIFIED PRODUCTS, ON A WHOLE MILK BASIS, BY STATES, 1979 ^{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			64,566			
CALIF	3,423,296	242,234	615,859			
COLO	111,955					
CONN			29,096			
DEL						
FLA						
GA						
IDAHO	173,064	734,869	229,081			
ILL	77,608	57,954	744,946			
IND	231,903	370,536				
IOWA	496,043	950,672	662,981			
KANS	268,521	207,852	19,178			
KY		438,297	118,229			
LA						
MAINE						
MD						
MASS			33,049			
MICH	716,757	203,242	53,460			
MINN	3,506,329	4,215,382	381,425			
MISS		84,185				
MO	506,777	470,657	389,890			
MONT	41,397					
NEBR		190,186	209,402			
NEV						
N H						
N J			102,826			
N MEX						
N Y	818,591	886,129	1,236,492		103,702	
N C						
N DAK	149,804	459,444				
OHIO	576,703	369,102	512,486	306,838		
OKLA	435,574					
OREG	302,387	310,974				
PA	1,083,952		346,290		100,995	
R I			14,337			
S C						
S DAK	255,000	493,125	122,983			
TENN	483,100	201,081	84,528			
TEX			5,577			
UTAH	114,209	426,393	218,955			
VT	98,447	223,306	311,090			
VA		55,263				
WASH	765,668	312,949	62,125			
W VA						
WIS	5,635,867	9,101,012	3,050,693		53,680	143,653
U S 4/	22,190,962	21,834,024	9,702,122	1,752,209	375,887	187,285

SEE FOOTNOTES ON PAGE 67.

TABLE 47--WHOLE MILK EQUIVALENT USED IN MANUFACTURED DAIRY PRODUCTS: CALCULATED QUANTITIES USED IN SPECIFIED PRODUCTS, ON A WHOLE MILK BASIS, BY STATES, 1979 ^{1/}

STATE	DRY WHOLE MILK	ICE CREAM AND OTHER FROZEN PRODUCTS	OTHER MILK PRODUCTS ^{2/}	TOTAL	DUPLICATIONS	NET TOTAL ^{3/}
1,000 POUNDS						
ALA		230,028	27,334	257,362	52,843	204,519
ARIZ		129,471	253,042	382,513	15,290	367,223
ARK		79,691	172,130	316,387	20,129	296,258
CALIF		1,553,437	452,083	6,286,909	295,034	5,991,875
COLO		180,866	21,788	314,609	7,324	307,285
CONN		357,535	120,054	506,685	20,893	485,792
DEL		2,507	7,902	10,409	1,482	8,927
FLA		605,508	18,145	623,653	190,435	433,218
GA		139,204	97,162	236,366	24,596	211,770
IDAHO		60,306	72,730	1,270,050	93,054	1,176,996
ILL		613,387	224,328	1,718,223	196,299	1,521,924
IND		367,989	34,424	1,004,852	74,851	930,001
IOWA		255,475	16,531	2,381,702	157,029	2,224,673
KANS		130,629	33,041	659,221	22,513	636,708
KY		97,085	584,223	1,237,834	49,982	1,187,852
LA		149,696	46,795	196,491	8,795	187,696
MAINE		12,204	20,221	32,425	2,902	29,523
MD		322,589	612,234	934,823	105,144	829,679
MASS		702,747	165	735,961	188,300	547,661
MICH		542,125	83,542	1,599,126	67,622	1,531,504
MINN	160,274	455,370	36,164	8,754,944	381,912	8,373,032
MISS		87,799	77,554	249,538	9,623	239,915
MO		318,980	320,110	2,006,414	48,156	1,958,258
MONT		35,391	21,757	98,545	5,020	93,525
NEBR		169,783	404,973	974,344	91,280	883,064
NEV		26,075	1,628	27,703	903	26,800
N H		21,332		21,332	5,716	15,616
N J		110,978	353	214,157	21,879	192,278
N MEX		57,608	11,037	68,645	2,327	66,318
N Y		1,014,420	566,685	4,626,019	541,410	4,084,609
N C		476,116	164,152	640,268	197,191	443,077
N DAK		39,665	4,302	653,215	48,458	604,757
OHIO		801,405	96,190	2,662,724	163,322	2,499,402
OKLA		164,034	37,788	637,396	46,868	590,528
OREG		151,857	47,480	812,698	35,472	777,226
PA		1,136,479	730,994	3,398,710	121,550	3,277,160
R I		23,094		37,431	6,528	30,903
S C		192,638	340	192,978	78,408	114,570
S DAK		5,277	125,994	1,002,379	53,431	948,948
TENN		296,307	167,979	1,232,995	67,688	1,165,307
TEX		640,338	146,718	792,633	60,124	732,509
UTAH		141,639	8,700	909,896	113,153	796,743
VT		7,902	15,477	656,222	75,003	581,219
VA		141,151	273,780	470,194	36,148	434,046
WASH		308,910	39,319	1,488,971	46,539	1,442,432
W VA		47,174	2,555	49,729	1,516	48,213
WIS		286,933	576,858	18,848,696	1,012,714	17,835,982
U S ^{4/}	626,639	13,767,906	1,943,916	72,380,950	4,896,645	67,484,305

^{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. ^{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 48--SKIM MILK EQUIVALENTS: CALCULATED QUANTITIES USED IN SPECIFIED SKIM MILK AND BUTTERMILK PRODUCTS, BY STATES, 1979 ^{1/}

STATE	1,000 POUNDS						TOTAL
	COTTAGE CHEESE CURD	SWEETENED CONDENSED SKIM MILK, BULK	UNSWEETENED CONDENSED SKIM MILK, BULK	DRY BUTTER- MILK	NONFAT MILK ^{2/}	OTHER PRODUCTS ^{3/}	
ALA	11,600						11,600
ARIZ						84,593	84,593
ARK						5,594	5,594
CALIF	633,881		349,509	14,058	2,086,403	47,646	3,131,497
COLO	81,569					693	82,262
CONN						134,315	134,315
GA						11,894	11,894
IDAHO	14,838					88,011	102,849
ILL	199,713					1,232	200,945
IND	94,925					166,737	261,662
IOWA	57,006			39,578	775,159	10,575	882,318
KANS	84,975					182,915	267,890
KY						125,776	125,776
LA						107,488	107,488
MAINE						120,694	120,694
MD ^{4/}						553,214	553,214
MASS						200,961	200,961
MICH	192,069		199,158	22,660	605,154		1,019,041
MINN	66,131			135,509	1,662,584	37,125	1,901,349
MO	114,463		55,512			79,622	249,597
MONT	20,488						20,488
NEBR	40,444					179,509	219,953
NEV						6,911	6,911
N MEX	33,781						33,781
N Y	623,513		247,470	9,779	468,380	15,021	1,364,163
N C	26,594						26,594
N DAK	17,731			5,632	60,973		84,336
OHIO	323,494		148,986		319,220	4,007	795,707
OKLA	41,613		4,383			114,147	160,143
OREG	58,663					143,153	201,816
PA	248,088		169,236		233,299	13,294	663,917
S DAK					383,812	37,326	421,138
TENN	30,288					133,818	164,106
TEX	99,306					69,563	168,869
UTAH	31,838					10,560	42,398
VT	97,825					205,047	302,872
VA	37,750					128,680	166,430
WASH	144,206					565,964	710,170
W VA	8,681						8,681
WIS	276,175	111,702	272,766	168,190	1,082,906	63,744	1,975,483
U S ^{5/}	4,150,052	139,581	2,060,679	491,381	10,063,262	165,192	17,070,147

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; 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 49--NET WHOLE MILK EQUIVALENTS USED IN MANUFACTURED DAIRY PRODUCTS: TOTAL AND PERCENTAGE DISTRIBUTION BY MAJOR PRODUCTS, UNITED STATES, 1970-79

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
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	67,068	32.6	43.0	3.6	17.4	3.4	100.0
1978	65,945	29.9	45.4	3.4	17.8	3.5	100.0
1979	67,484	28.7	46.7	3.4	17.3	3.9	100.0

TABLE 50--SKIM MILK EQUIVALENTS OF CERTAIN SKIM-MILK AND BUTTERMILK PRODUCTS, UNITED STATES, 1970-79

YEAR	FULL-SKIM AMERICAN CHEESE	COTTAGE CHEESE CURD	CONDENSED AND EVAPORATED SKIM MILK		NONFAT DRY MILK	CONDENSED AND DRIED BUTTERMILK		TOTAL
	MILLION POUNDS							
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/	4,278	2,563	12,260	677			19,777
1978	2/	4,303	2,317	10,196	642			17,458
1979	2/	4,150	2,243	10,063	614			17,070

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

TABLE 51--NUMBER OF DAIRY PLANTS MANUFACTURING ONE OR MORE DAIRY PRODUCTS, 1975-79

STATE	1975	1976	1977	1978	1979
ALA	23	23	23	23	21
ALAS	2	2	3	2	2
ARIZ	16	15	15	14	13
ARK	14	14	14	14	14
CALIF	277	275	275	271	269
COLO	40	34	33	34	28
CONN	42	36	40	41	38
DEL	2	2	2	2	2
FLA	35	30	27	24	24
GA	23	23	23	23	21
HAW	5	5	5	5	5
IDAHO	32	31	30	26	26
ILL	110	110	102	92	88
IND	53	49	51	47	41
IOWA	69	66	68	61	55
KANS	34	31	30	30	30
KY	43	40	41	36	36
LA	30	29	28	25	26
MAINE	24	24	24	24	21
MD 1/	28	23	21	19	19
MASS	66	59	58	59	52
MICH	83	79	77	73	69
MINN	120	114	109	99	96
MISS	20	21	24	24	22
MO	60	60	49	42	34
MONT	28	28	24	22	20
NEBR	42	41	36	31	30
NEV	3	3	3	3	3
N H	15	15	15	12	11
N J	30	30	31	30	31
N MEX	6	5	5	5	5
N Y	185	181	185	174	176
N C	29	28	27	26	26
N DAK	40	34	33	32	26
OHIO	124	122	118	114	112
OKLA	24	24	24	21	20
OREG	30	30	29	28	26
P A	132	127	129	121	120
R I	15	16	19	17	13
S C	10	10	10	12	11
S DAK	35	34	33	29	27
TENN	42	41	39	39	34
TEX	68	64	58	48	47
UTAH	24	23	22	23	23
VT	25	25	24	25	22
VA	27	27	24	21	22
WASH	39	38	37	38	37
W VA	13	12	12	11	10
WIS	550	530	468	455	429
WYO	14	12	12	10	9
U S	2,801	2,695	2,589	2,457	2,342

1/ INCLUDES DISTRICT OF COLUMBIA.

The data for manufactured dairy products in 1979, 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	Division of Natural Resources, State Division of Agriculture	Domonik L. Carney, 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. Irvin, 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	Alben W. Barkley II
Louisiana	State Department of Agriculture	Bob Odum, Commissioner
Michigan	State Department of Agriculture Dairy Division	Kenneth D. Feighner, Acting Chief
Minnesota	State Department of Agriculture	Mark Seetin, 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	E. Mickey Stewart, 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 Marketing Industry Division	George Parker, Director
South Carolina	Agricultural Experiment Station Clemson University	W. C. Godley, Director
Tennessee	Tennessee Department of Agriculture	Jere Griggs, Commissioner
Utah	Director, Division of Food and Consumer Services, Utah Department of Agriculture	Archie S. Hurst, Director
Virginia	Virginia Department of Agriculture and Consumer Services, 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

