
DAIRY PRODUCTS

ANNUAL SUMMARY 1981

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Crop
Reporting
Board

Statistical Reporting
Service

U.S. Department
of Agriculture

Washington, D.C.
20250

June 1982
Da 2-1(82)

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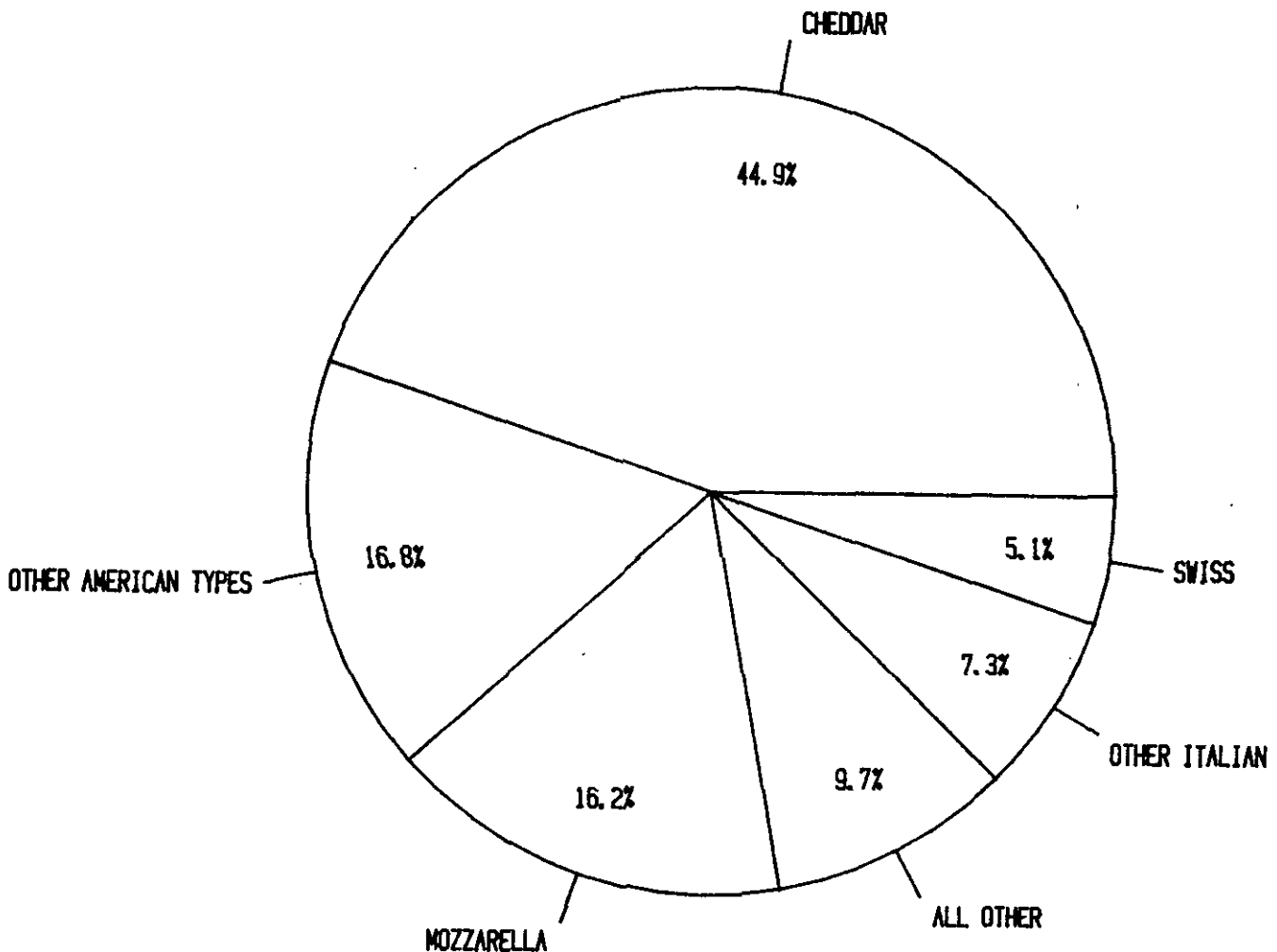
BUTTER PRODUCTION HIGHER IN 1981

Production of butter in the United States during 1981 totaled 1.23 billion pounds (557 thousand metric tons), 7 percent above the 1980 production. Wisconsin, the leading State in production, accounted for 24 percent of the total. California ranked second with 16 percent followed by Minnesota with 14 percent.

CHEESE OUTPUT UP 6 PERCENT

Total cheese production, excluding cottage cheese, continued its upward trend in 1981, reaching a record high 4.23 billion pounds (1.92 million metric tons), 6 percent above 1980. Wisconsin was the leading State with 37 percent of production followed by Minnesota with 13 percent and New York with 8 percent.

CHEESE PRODUCTION 1981



American type cheese production at 2.61 billion pounds (1.18 million metric tons) was 10 percent above 1980 production and accounted for 62 percent of the total cheese production in 1981. Cheddar increased 9 percent to 1.90 billion pounds (862 thousand metric tons) and other American varieties increased 14 percent.

Italian varieties continued their steady increase to a record 994 million pounds, (451 thousand metric tons) 1 percent above the 1980 production. Mozzarella accounted for 69 percent of the Italian varieties, followed by Ricotta-11 percent, Provolone-10 percent and Parmesan-7 percent. Wisconsin was by far the leading producer with 31 percent of all Italian cheese production.

Cottage cheese. Cream cottage cheese continued to decline for 1981, down 6 percent from 1980 and totaled 773 million pounds (351 thousand metric tons). Lowfat cottage cheese production increased 16 percent to 208 million pounds (94.5 thousand metric tons).

Frozen Dairy Products. Ice cream production totaled 832 million gallons, (3.15 billion liters) up slightly from 1980. Ice milk declined 1 percent to 292 thousand gallons (1.10 billion liters). Milk sherbet showed a 1 percent increase and other frozen dairy productions increased 28 percent. Mellorine production declined 15 percent from 1980.

The 249 million gallons (941 million liters) of soft frozen products (ice cream, ice milk, sherbet, and mellorine) made during 1981 accounted for 21 percent of the total frozen dairy products. Ice milk made up the major portion (87 percent) of soft production. Soft frozen dairy products are sold from direct-serve soft freezer and milk shake machines.

Nonfat Dry Milk up 13 Percent. Nonfat dry milk for human food production at 1.31 billion pounds (596 thousand metric tons) was up 13 percent from 1980. Dry skim milk for animal feed amounted to 7.85 million pounds (3.56 thousand metric tons) was up 13 percent from the 1980 production. Dry buttermilk production was virtually unchanged at 43.8 million pounds (19.9 thousand metric tons). Dry whole milk at 92.7 million pounds was up 12 percent (42.1 thousand metric tons).

Whole Milk Used for Dairy Products. Manufactured dairy products used 59.7 percent of all milk marketed in the United States during 1981 compared with 58.1 percent in 1980. Whole milk used for manufacturing products based on milk-fat content totaled 77.9 billion pounds (35.3 million metric tons) 6 percent more than the previous year.

The equivalent whole milk used for butter production in 1981 (excluding butter made from whey cream) totaled 24.6 billion pounds (11.2 million metric tons). Butter accounted for 32 percent of the total milk used for all products during 1981 compared with 31 percent a year earlier.

Whole milk used for cheese (excluding creamed cottage cheese), totaled 36.5 billion pounds, (16.5 million metric tons) up from the 33.9 billion pounds (15.4 million metric tons) used in 1980. Whole milk used for cheese production utilized 47 percent of all milk used for manufacturing dairy products, up 1 percentage point from 1980.

TABLE 1: MILK MARKETINGS AND UTILIZATION FOR MANUFACTURED DAIRY PRODUCTS, UNITED STATES, 1962-81

MILK MARKETED			MILK MARKETED		
YEAR	TOTAL	USED FOR DAIRY PRODUCTS	YEAR	TOTAL	USED FOR DAIRY PRODUCTS
	MIL LBS	PERCENT		MIL LBS	PERCENT
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	112,337	53.9
1966	114,440	50.6	1976	117,221	55.2
1967	113,567	52.6	1977	119,831	56.0
1968	112,563	52.6	1978	118,795	55.5
1969	111,793	52.1	1979	120,942	55.8
1970	112,999	53.1	1980	126,187	58.1
1971	114,814	53.7	1981	130,312	59.7

WHOLE MILK USED IN MANUFACTURING

DAIRY PRODUCTS

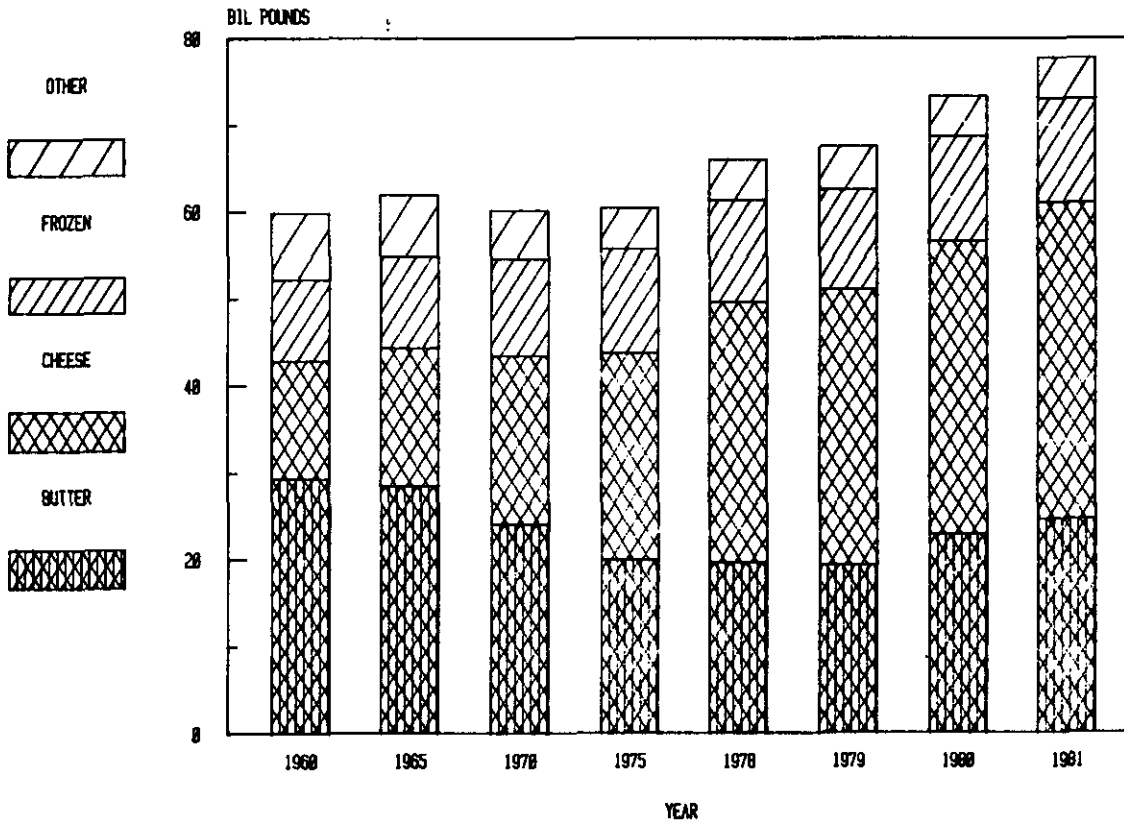


TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1980, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
BUTTER	258	105732	99943	101076	112338	116562	93899
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	406	134281	132296	144981	156380	173687	170016
OTHER AMERICAN 1/	224	48451	46712	51711	51099	58756	57102
TOTAL AMER.	483	182732	179008	196692	207479	232443	227118
PART SKIM	4	232	253	316	438	399	515
SWISS	63	17045	15873	17445	18117	20907	20753
MUNSTER	58	5371	5347	5902	5658	6279	6121
BRICK	47	1142	1079	1090	1176	1190	1420
LIMBURGER	2	118	132	152	130	114	120
ITALIAN VARIETIES:							
MOZZARELLA	147	58468	57311	60436	56826	53264	53780
OTHER ITALIAN	124	25310	23593	29470	24804	25532	23164
TOTAL ITALIAN:	187	83778	80904	89906	81530	78896	76944
CREAM	20	14683	13814	20995	15106	13162	18602
NEUFCHATEL	6	472	334	376	498	305	530
BLUE 2/	10	2900	2739	2804	2874	2913	2820
ALL OTHER TYPES 3/	84	3795	3643	3986	3543	4031	4916
TOTAL CHEESE 4/	737	312268	303126	339664	336549	360639	359860
COTTAGE CHEESE:							
CURD 5/	269	54840	54898	58054	57900	58589	55895
CREAMED 6/	263	68871	68769	73066	71319	73171	69379
LOWFAT 7/	153	13595	14434	14866	15526	17040	15585
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	19	59594	58157	61810	68542	66593	68852
EVAPORATED SKIM	7	1291	1509	1314	939	1210	895
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	11	5523	4320	5388	4717	4417	5508
UNSWEETENED	28	10799	10836	14490	11502	12241	13818
SKIM							
SWEETENED	9	3758	3922	4167	5020	3309	3070
UNSWEETENED	94	53199	51434	58456	57912	62958	71508
CONDENSED OR							
EVAPORATED							
BUTTERMILK	10	5504	3297	3858	3973	2174	2150
DRY MILK:							
DRY WHOLE MILK	22	6604	6213	8166	5524	6125	7925
NONFAT DRY MILK							
FOR HUMAN FOOD	113	74270	78376	89668	115123	135836	132512
DRY SKIM MILK							
FOR ANIMAL FEED:	72	423	423	447	541	927	845
DRY BUTTERMILK	54	3754	4337	4117	4561	5282	3627

SEE FOOTNOTES ON PAGE 7.

TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1980, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
BUTTER	83699	75278	77033	91379	84731	103584	1145254
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	154639	138517	129004	135894	130714	150288	1750697
OTHER AMERICAN 1/	53677	54428	50806	50683	46020	55614	625059
TOTAL AMER.	208316	192945	179810	186577	176734	205902	2375756
PART SKIM	283	341	425	796	757	626	5381
SWISS	19720	19252	17589	17716	16575	17948	218940
MUNSTER	5793	6056	5321	5918	5751	6465	69982
BRICK	1175	1563	1342	1365	1326	1505	15373
LIMBURGER	127	135	136	152	67	181	1564
ITALIAN VARIETIES:							
MOZZARELLA	52636	54018	59598	60863	58264	63101	688565
OTHER ITALIAN	22027	21457	23165	24662	23722	27260	294166
TOTAL ITALIAN	74663	75475	82763	85525	81986	90361	982731
CREAM	14064	14083	21675	26320	26864	24885	224253
NEUFCHATEL	302	396	257	70	352	442	4334
BLUE 2/	2927	2331	2766	2637	2660	2672	33043
ALL OTHER TYPES 3/	5300	5011	4897	5062	4154	4571	52909
TOTAL CHEESE 4/	332669	317588	316981	332138	317226	355558	3984266
COTTAGE CHEESE:							
CURD 5/	59881	56972	56205	55394	50206	48599	667433
CREAMED 6/	74716	70256	69895	67479	59694	57931	824546
LOWFAT 7/	16289	15886	15272	15560	13012	12751	179836
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	65445	57265	55908	51496	50282	60721	724665
EVAPORATED SKIM	720	1200	1333	2036	1563	1783	15793
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	4824	5177	6082	6330	5596	5881	63763
UNSWEETENED	13731	15060	15154	12945	13291	12539	156406
SKIM							
SWEETENED	3308	3827	5300	3954	2846	3200	45681
UNSWEETENED	63554	60730	57292	51978	45699	51161	685881
CONDENSED OR							
EVAPORATED							
BUTTERMILK	4035	3116	2740	2883	3112	3174	40016
DRY MILK:							
DRY WHOLE MILK	7161	6316	6354	7961	7425	6938	82712
NONFAT DRY MILK							
FOR HUMAN FOOD	122063	104029	77337	72773	69121	89583	1160691
DRY SKIM MILK							
FOR ANIMAL FEED:	837	610	478	558	391	464	6944
DRY BUTTERMILK	3012	2379	2430	3310	3056	4010	43875

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, 1981

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
BUTTER	238	123056	108399	115537	117269	115458	95884
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	387	152954	145023	166301	177667	191645	183578
OTHER AMERICAN 1/	249	58344	53490	61968	61267	63415	62638
TOTAL AMER.	481	211298	198513	228269	238934	255060	246216
PART SKIM	5	236	528	568	746	539	333
SWISS	63	18016	15385	16684	17027	18728	20679
MUNSTER	63	5491	5064	6036	6110	6083	5740
BRICK	49	1294	940	1251	1339	1418	1132
LIMBURGER	1	95	90	128	124	116	110
ITALIAN VARIETIES:							
MOZZARELLA	143	57466	50694	58969	58069	59552	58839
OTHER ITALIAN	124	24875	23612	27743	26555	24919	26243
TOTAL ITALIAN:	180	82341	74306	86712	84624	84471	85082
CREAM	22	13160	13146	23201	18371	15813	19879
NEUFCHATEL	4	379	259	519	412	534	409
BLUE 2/	11	2524	2192	2345	2903	2884	2378
ALL OTHER TYPES 3/	75	3610	3827	4405	4340	4159	4307
TOTAL CHEESE 4/	725	338444	314250	370118	374930	389805	386265
COTTAGE CHEESE:							
CURD 5/	264	51773	51385	60424	58611	56679	58354
CREAMED 6/	256	62316	61021	71223	69277	66917	68473
LOWFAT 7/	159	16128	15994	18624	18518	18765	18698
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	19	55314	54503	59819	64889	66961	68302
EVAPORATED SKIM	7	2045	1770	2392	1304	1041	1353
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	10	5707	4899	7111	6477	6993	6635
UNSWEETENED	31	13371	13085	22267	15812	16861	16311
SKIM							
SWEETENED	7	3470	3248	4568	3779	3681	3967
UNSWEETENED	90	49671	49548	56182	59461	59224	61236
CONDENSED OR							
EVAPORATED							
BUTTERMILK	11	2977	3682	3062	3021	3050	3179
DRY MILK:							
DRY WHOLE MILK	21	6637	6303	7530	7827	8379	6447
NONFAT DRY MILK							
FOR HUMAN FOOD	114	95617	96069	112783	126432	136776	129591
DRY SKIM MILK							
FOR ANIMAL FEED:	69	529	445	706	591	678	653
DRY BUTTERMILK	55	5763	4105	4022	3994	4041	3438

SEE FOOTNOTES ON PAGE 9.

TABLE 3--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1981

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1980
1,000 POUNDS								
BUTTER	82716	82349	85173	99451	93413	109483	1228190	107.2
CHEESE TYPES:								
AMERICAN VARIETIES:								
CHEDDAR	163314	148791	133959	140498	134979	160611	1899320	108.5
OTHER AMERICAN 1/	57546	58329	57159	59760	55363	59858	709137	113.5
TOTAL AMER.	220860	207120	191118	200258	190342	220469	2608457	109.8
PART SKIM	177	218	504	636	727	648	5860	108.9
SWISS	19918	18602	17287	16727	17330	18027	214410	97.9
MUNSTER	5108	5692	5456	5671	5359	5549	67359	96.3
BRICK	1108	1117	1203	1128	931	1017	13878	90.3
LIMBURGER	105	103	99	66	91	121	1248	79.8
ITALIAN VARIETIES:								
MOZZARELLA	54581	57173	58959	57768	54062	58782	684914	99.5
OTHER ITALIAN	24788	24468	25726	25141	26136	29278	309484	105.2
TOTAL ITALIAN	79369	81641	84685	82909	80198	88060	994398	101.2
CREAM	14828	15848	22893	23537	28289	27383	236348	105.4
NEUFCHATEL	376	260	515	374	595	355	4987	115.1
BLUE 2/	2724	2312	2757	2653	2199	2343	30214	91.4
ALL OTHER TYPES 3/	4331	4644	4541	4583	4477	4624	51848	98.0
TOTAL CHEESE 4/	348904	337557	331058	338542	330538	368596	4229007	106.1
COTTAGE CHEESE:								
Curd 5/	57295	54437	52738	51406	48350	46089	647541	97.0
CREAMED 6/	69474	65116	63183	62550	58685	55086	773321	93.8
LOWFAT 7/	18883	17682	17265	17550	16088	14138	208333	115.8
CANNED MILK:								
EVAPORATED AND COND. WHOLE 8/	66804	68144	59624	62928	62054	68577	757919	104.6
EVAPORATED SKIM	1556	1304	2241	1372	1616	2496	20490	129.7
BULK CONDENSED MILK:								
WHOLE								
SWEETENED	6107	5165	6311	6163	4869	3914	70351	110.3
UNSWEETENED	17024	17858	15932	17013	14794	15291	195619	125.1
SKIM								
SWEETENED	3627	3900	4827	4651	3479	2810	46007	100.7
UNSWEETENED	61859	62396	53241	52035	47935	46853	659641	96.2
CONDENSED OR EVAPORATED BUTTERMILK	3925	3603	3439	3854	4308	3059	41159	102.9
DRY MILK:								
DRY WHOLE MILK	7127	7891	8240	8938	8512	8893	92724	112.1
NONFAT DRY MILK FOR HUMAN FOOD	119727	112912	92993	92002	89292	110076	1314270	113.2
DRY SKIM MILK FOR ANIMAL FEED	1019	764	602	562	496	801	7846	113.0
DRY BUTTERMILK	2632	2669	2894	3007	2979	4270	43814	99.9

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, 1980 REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	949	58244	60958	68379	69681	71888	79705
ICE MILK 1/ 2/	576	17572	18717	23009	25504	29244	31629
MILK SHERBET 1/	654	3021	2890	3477	3715	4268	5003
OTHER FROZEN							
DAIRY PRODUCTS 1/	98	503	584	811	1022	1158	1343
MELLORINE TYPE							
FROZEN DESSERTS 1/	76	813	989	1023	1235	1353	1490
WATER ICES 1/	220	1466	1892	2532	3191	4075	4942
MIX FOR PRODUCTS:							
ICE CREAM MIX	662	29395	30408	34275	35332	36989	41343
ICE MILK MIX 3/	704	10455	11069	14042	16142	18720	20137
MILK SHERBET MIX	499	2009	1895	2259	2452	2827	3221
MELLORINE MIX	89	477	507	500	711	804	853

SEE FOOTNOTES ON PAGE 11.

TABLE 5--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1980, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	23	5142	4051	5715	5460	6237	5540
ANIMAL FEED	6	1999	1177	841	772	464	1020
ACID TYPE:							
HUMAN FOOD							
ANIMAL FEED	4	298	324	443	389	387	346
TOTAL COND.	29	7439	5552	6999	6621	7088	6906
DRY WHEY:							
HUMAN FOOD	59	46322	46649	48517	46807	46261	46403
ANIMAL FEED	76	15591	13046	12488	15304	15841	13927
TOTAL DRY	93	61913	59695	61005	62111	62102	60330
MODIFIED							
DRY WHEY PRODUCTS:							
PART DELACTOSED:							
HUMAN FOOD	11	3065	3386	3540	3889	3932	3585
ANIMAL FEED	15	8610	9094	10265	10866	11499	10870
PART DEMINERALIZE:							
HUMAN FOOD	3	2454	2220	2266	1876	3484	3059
ANIMAL FEED 2/							
PART DELACTOSED & DEMINERALIZED:							
HUMAN FOOD	6	738	365	307	450	405	445
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	19	8477	9547	10986	11073	11378	10699
ANIMAL FEED	5	2086	1867	2119	2322	2314	1982
TOTAL LACTOSE:	22	10563	11414	13105	13395	13692	12681
WHEY SOLIDS IN							
WET BLENDS:							
HUMAN FOOD	13	3022	3356	3343	3741	3478	2690
ANIMAL FEED	9	8646	8520	9547	8743	6452	8630

SEE FOOTNOTES ON PAGE 11.

TABLE 4--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, 1980, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 GALLONS							
FROZEN PRODUCTS:							
ICE CREAM	86078	83299	73973	66233	53199	57361	829798
ICE MILK 2/ MILK SHERBET	34047	31416	26151	22303	16821	16971	293384
OTHER FROZEN	5563	5033	3910	3000	2372	2935	45187
DAIRY PRODUCTS	1435	1292	794	570	387	379	10278
MELLORINE TYPE							
FROZEN DESSERTS	1462	1313	1194	1030	617	671	13190
WATER ICES	5057	4147	2374	1711	994	1005	33386
MIX FOR PRODUCTS:							
ICE CREAM MIX	45049	42579	37558	33138	26149	28594	420809
ICE MILK MIX 3/ MILK SHERBET MIX	21809	20028	16565	14100	10645	10684	184396
MELLORINE MIX	3667	3275	2479	1933	1491	1842	29350
	848	790	750	591	342	365	7538

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, 1980, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
CONDENSED WHEY							
SOLIDS CONTENT 1/ SWEET TYPE:							
HUMAN FOOD	4283	5698	6543	6925	6039	5299	66932
ANIMAL FEED	986	1186	1047	1168	1399	2388	14447
ACID TYPE:							
HUMAN FOOD							
ANIMAL FEED	337	211	402	321	481	383	4322
TOTAL COND.	5606	7095	7992	8414	7919	8070	85701
DRY WHEY:							
HUMAN FOOD	44760	40268	38288	41399	40217	48031	533922
ANIMAL FEED	12148	11385	9104	11415	11973	13574	155796
TOTAL DRY	56908	51653	47392	52814	52190	61605	689718
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	3016	3143	3913	4507	4714	5348	46038
ANIMAL FEED	10378	8758	9717	8400	6583	6916	111956
PART DEMINERALIZE:							
HUMAN FOOD	2262	2297	2204	2932	3265	2576	30895
ANIMAL FEED 2/							
PART DELACTOSED & DEMINERALIZED:							
HUMAN FOOD	219	242	193	193	185	247	3989
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	8721	9422	9119	9046	8810	10305	117583
ANIMAL FEED	2019	1585	1739	1793	1280	1488	22594
TOTAL LACTOSE:	10740	11007	10858	10839	10090	11793	140177
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	2341	3314	3575	3353	2795	2882	37890
ANIMAL FEED	8293	8038	9170	10436	9885	9816	106176

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, 1981

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	895	51784	58837	70804	69838	70219	85119
ICE MILK 1/ 2/	548	17009	18382	23917	26430	28315	33082
MILK SHERBET 1/	614	2648	2862	3575	4025	4358	5333
OTHER FROZEN							
DAIRY PRODUCTS 1/	104	673	878	1187	1202	1389	1583
MELLORINE TYPE							
FROZEN DESSERTS 1/	74	745	789	963	1115	1071	1285
WATER ICES 1/	211	1632	2145	3093	3564	3893	4965
MIX FOR PRODUCTS:							
ICE CREAM MIX	641	26660	29704	35742	35543	36231	44410
ICE MILK MIX 3/	658	10544	11057	14927	16804	18032	21078
MILK SHERBET MIX	471	1743	1806	2300	2554	2750	3458
MELLORINE MIX	89	410	439	538	607	615	722

SEE FOOTNOTES ON PAGE 13.

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1981

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	25	4146	3681	5112	5864	7030	6293
ANIMAL FEED	6	2517	2074	803	1867	1345	1372
ACID TYPE:							
HUMAN FOOD							
ANIMAL FEED	8	630	1105	1247	2100	1830	2103
TOTAL COND.	35	7293	6860	7162	9831	10205	9768
DRY WHEY:							
HUMAN FOOD	55	51980	50368	52322	48886	52608	50066
ANIMAL FEED	74	13816	12648	16265	16883	17285	17856
TOTAL DRY	91	65796	63016	68587	65769	69893	67922
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	10	5753	3513	3974	4371	4126	4633
ANIMAL FEED	14	7400	7801	8281	8740	9856	10471
PART DEMINERALIZE:							
HUMAN FOOD	3	2252	2411	2020	2760	2323	2832
ANIMAL FEED 2/							
PART DELACTOSED & DEMINERALIZED							
HUMAN FOOD	4	303	262	270	176	351	359
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	21	12744	10380	13528	13818	13348	14140
ANIMAL FEED	6	1401	1525	1564	1541	1624	2170
TOTAL LACTOSE	24	14145	11905	15092	15359	14972	16310
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	10	3456	3205	3410	3427	3994	3545
ANIMAL FEED	9	10376	10289	12117	10326	9418	9755

SEE FOOTNOTES ON PAGE 13.

TABLE 6--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, TO 1981

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1980
1,000 GALLONS								
FROZEN PRODUCTS:								
ICE CREAM	89194	81325	74421	64746	56924	59032	832243	100.3
ICE MILK 2/	33638	30223	24986	21182	17756	16589	291509	99.4
MILK SHERBET	5610	4792	3832	3044	2542	3010	45631	101.0
OTHER FROZEN DAIRY PRODUCTS:								
MELLORINE TYPE	1665	1342	987	879	669	710	13164	128.1
FROZEN DESSERTS	1210	1034	940	856	628	555	11191	84.8
WATER ICES	5315	3836	2235	1311	959	984	33932	101.6
MIX FOR PRODUCTS:								
ICE CREAM MIX	46212	41992	37611	32939	28665	29216	424933	101.0
ICE MILK MIX 3/	21531	19328	15879	13555	11283	10496	184514	100.1
MILK SHERBET MIX	3624	3054	2431	1888	1627	1828	29063	99.0
MELLORINE MIX	680	593	592	474	365	338	6373	84.5

1/ PLANT COUNT DOES NOT INCLUDE COUNTER-FREEZERS.

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

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1981

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1980
1,000 POUNDS								
CONDENSED WHEY								
SOLIDS CONTENT 1/								
SWEET TYPE:								
HUMAN FOOD	6459	6938	7785	5927	6906	8089	74230	110.9
ANIMAL FEED	1343	1408	512	865	745	855	15706	108.7
ACID TYPE:								
HUMAN FOOD								
ANIMAL FEED	1458	1715	2306	2267	3527	2738	23026	532.8
TOTAL COND.	9260	10061	10603	9059	11178	11682	112962	131.8
DRY WHEY:								
HUMAN FOOD	46809	47527	47833	46719	49040	55170	599328	112.3
ANIMAL FEED	21394	11731	13392	14371	12826	16021	184488	118.4
TOTAL DRY	68203	59258	61225	61090	61866	71191	783816	113.6
MODIFIED								
DRY WHEY PRODUCTS								
PART DELACTOSED								
HUMAN FOOD	3322	3471	3125	3091	2568	3233	45180	98.1
ANIMAL FEED	9144	7887	6740	6599	6342	5982	95243	85.1
PART DEMINERALIZE:								
HUMAN FOOD	2428	2877	2198	2444	2564	2399	29508	95.5
ANIMAL FEED 2/								
PART DELACTOSED & DEMINERALIZED								
HUMAN FOOD	303	244	255	245	363	275	3406	85.4
ANIMAL FEED 2/								
LACTOSE								
HUMAN FOOD	13116	11590	11193	9608	9235	10389	143089	121.7
ANIMAL FEED	2134	1708	1674	1295	1230	1135	19001	84.1
TOTAL LACTOSE	15250	13298	12867	10903	10465	11524	162090	115.6
WHEY SOLIDS IN WET BLENDS								
HUMAN FOOD	2978	2847	3118	2747	2943	3305	38975	102.9
ANIMAL FEED	9802	9020	9733	10937	9823	9804	121400	114.3

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, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	18269	15262	17293	16428	16086	14212	13883	14770
COLO	805	635	575	556	375	219	145	150
IDAHO	1055	1144	1221	1120	1295	1280	1476	1339
ILL	212	226	204	237	224	256	211	204
IND	1991	1726	1884	2126	2042	1747	1190	951
IOWA	2983	2442	2358	2670	2596	2143	1969	564
KANS 2/	1519	1367	1452	1696	1653	1728	1489	1539
MICH	3043	3265	3998	4438	4558	3694	2214	2810
MINN	14538	13597	15756	15799	16407	15117	13513	14432
MO 2/	4080	3862	3822	3992	3563	2057	2199	2075
MONT	223	201	186	167	149	141	130	127
N Y	6141	5870	5304	6161	6443	4839	2337	2327
N DAK	707	648	741	681	631	444	440	466
OHIO	3469	3159	3108	3620	3603	2584	1732	1362
OREG	1293	1166	1368	1532	1316	1232	1188	1079
PA	6949	5929	6511	6615	6406	5728	4799	4423
S DAK	1012	832	964	915	885	834	757	696
TENN	3728	3582	3434	2586	2374	1019	231	240
UTAH	891	611	529	847	879	609	637	499
WASH	3332	2801	3294	3649	4216	3819	3514	3412
WIS	30521	26782	27560	27866	27194	23233	21444	21104
OTHER 1/	16295	13292	13975	13568	12563	8949	7220	7780
U S	123056	108399	115537	117269	115458	95884	82718	82349

SEE FOOTNOTES ON PAGE 15.

TABLE 9--SWISS CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ILL	4420	3611	3012	2887	3255	4858	4865	4506
OHIO	2650	2366	2836	2893	3681	3257	3251	3120
PA	448	392	417	466	514	499	420	389
UTAH 2/	1700	1510	1802	1807	1953	1907	1935	1932
WIS	3221	2664	3274	3538	3744	3812	3515	3133
OTHER 1/	5577	4842	5343	5436	5581	6346	5932	5522
U S	18016	15385	16684	17027	18728	20679	19918	18602

SEE FOOTNOTES ON PAGE 15.

TABLE 8--BUTTER
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	15218	18197	15647	17084	24	185184	19	192349
COLO	355	394	386	376	3	5634	3	4971
IDAHO	944	1057	983	1331			5	14245
ILL	207	240	242	290			3	2753
IND	1165	1618	1274	1921	5	16283	3	19635
IOWA	584	724	731	2033	7	22136	6	21797
KANS	1494	1557	1376	1791	2	16351	2	18661
MICH	3345	4641	3287	4497	9	36709	9	43790
MINN	13476	13924	14177	15386	32	162911	30	176122
MO	2391	3217	2709	3203	3	28203	2	37170
MONT	131	219	197	211	8	1938	9	2082
N Y	2117	2722	1741	2496	20	47035	21	48498
N DAK	271	300	346	313	8	6701	7	5988
OHIO	2294	3057	2538	2825	8	27028	7	33351
OREG	1079	1306	1083	1248	11	14091	10	14890
PA	4643	5291	5366	6545	11	59172	12	69205
S DAK	699	709	479	638	9	10691	8	9420
TENN	1013	2353	2636	3589			3	26785
UTAH	651	632	540	622	6	5592	6	7947
WASH	3274	3878	3343	4065	10	40793	9	42597
WIS	20849	21551	21547	25527	35	289178	32	295178
OTHER 1/	8973	11864	12785	13492	47	169624	32	140756
U S	85173	99451	93413	109483	258	1145254	238	1228190

TABLE 9--SWISS CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ILL	4340	4284	4168	4345	9	52206	9	48551
OHIO	2816	2844	2793	3055	17	37262	17	35562
PA	369	397	383	426	6	6969	5	5120
UTAH 2/	1937	1950	1877	1846	2	21144	2	22156
WIS	2440	2721	2962	2847	20	38830	21	37871
OTHER 1/	5385	4531	5147	5508	9	62529	9	65150
U S	17287	16727	17330	18027	63	218940	63	214410

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, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ARK	1945	1582	2080	2823	2719	3191	2170	2064
CALIF	17016	15422	16529	17741	17817	17536	18855	18979
CONN	404	447	477	425	382	389	356	415
IDAHO	8813	7996	9860	9957	9240	10122	10114	11199
ILL	7921	6844	8065	8443	8733	8869	8600	8339
IND	3901	3833	4500	4975	5681	5380	4912	5030
IOWA	16785	15438	19013	18544	19322	19321	17840	16464
KANS	2571	2232	2678	3153	3402	3011	2710	2358
KY	3933	4303	4332	5114	6056	4339	3941	3911
MASS	628	720	849	808	557	587	514	658
MICH	2975	2687	3110	2937	3315	3438	3049	3896
MINN	48199	45100	51077	49836	51915	48434	42936	38373
MISS	916	672	1110	1298	1339	911	677	519
MO	7959	7212	10781	10023	9282	11326	8220	8036
NEBR	5704	4724	5776	5867	6301	5918	5790	6111
N J	2508	2002	2714	2332	1641	1882	1689	2054
N Y	25051	23610	30362	28784	28325	29053	24782	24145
N DAK	3765	3674	4197	4622	5353	5843	5289	4412
OHIO	7078	7330	8636	9233	9909	9387	7947	7833
OREG	2786	2616	3118	3208	3411	3326	3432	3607
PA	8857	8038	9686	9780	9781	9365	8969	9039
S DAK	6935	6512	7357	7409	7981	8084	7447	6616
TENN	2549	2383	2901	3077	3351	2962	2782	2809
UTAH	5840	5572	6281	6991	8075	8680	8002	7797
VT	6884	5893	6736	7016	7909	8071	7439	7391
VA 2/	694	604	651	660	647	610	560	548
WASH	3465	3185	3891	4050	4177	4059	4066	3996
WIS	125657	116421	133770	136379	143692	145005	130728	127338
OTHER 1/	6705	7198	9381	9445	9492	7166	5088	3620
U S	338444	314250	370118	374930	389805	386265	348904	337557

SEE FOOTNOTES ON PAGE 17.

TABLE 11--BRICK CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
WIS	666	583	650	698	746	619	749	753
OTHER 1/	628	357	601	641	672	513	359	364
U S	1294	940	1251	1339	1418	1132	1108	1117

SEE FOOTNOTES ON PAGE 17.

TABLE 10--TOTAL CHEESE, EXCLUDING COTTAGE CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980	1981	1980	1981
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
ARK	1469	720	1165	1261	4	19960	4	23189
CALIF	17900	17657	17263	17880	36	181463	33	210595
CONN	560	559	539	570	6	4323	6	5523
IDAHO	11037	11473	11433	11281	14	109351	14	122525
ILL	8215	8180	7978	8601	24	98500	23	98788
IND	3549	4176	3630	4333	6	46373	6	53900
IOWA	17306	17893	18183	17751	13	204577	13	213860
KANS	1760	1814	1820	2922	10	30605	9	30431
KY	3429	3422	3577	3981	11	59499	10	50338
MASS	701	776	849	912	10	5099	9	8559
MICH	2854	2735	2719	2680	16	35343	15	36395
MINN	37694	41833	41218	46641	32	512361	28	543256
MISS	428	442	666	1364	4	8788	4	10342
MO	9247	9792	10986	13075	11	100796	14	115939
NEBR	5816	5451	5793	6239	12	70412	12	69490
N J	2555	2854	2386	2743	8	28326	7	27360
N Y	27675	27232	28665	32456	45	319579	45	330140
N DAK	3605	3416	3440	4090	10	48186	10	51706
OHIO	6913	7038	6689	8307	22	95166	23	96500
OREG	3017	3307	3110	3131	6	34683	6	38069
PA	9255	10078	9584	10728	22	101262	21	113160
S DAK	6247	6470	6719	7693	16	78836	17	85470
TENN	2596	2571	2305	2702	8	32148	8	32988
UTAH	6617	6750	7287	7985	10	71659	10	85877
VT	6558	6442	5860	6660	11	79836	14	82859
VA 2/	546	641	688	607	1	6930	2	7456
WASH	3858	3922	3751	4036	7	45147	7	46456
WIS	126313	127072	117483	130313	334	1484251	331	1560171
OTHER 1/	3338	3826	4752	7654	28	70807	24	77665
U S	331058	338542	330538	368596	737	3984266	725	4229007

TABLE 11--BRICK CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980	1981	1980	1981
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
VA	27		34	112			1	173
WIS	846	852	685	678	30	9269	32	8525
OTHER 1/	330	276	212	227	17	6104	16	5180
U S	1203	1128	931	1017	47	15373	49	13878

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 FIRMS INVOLVED.

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS ⁰								
CALIF	4549	4141	4544	4926	5180	5393	7520	7674
IDAHO	7001	6513	7266	7901	7041	7778	7593	8647
ILL								
IND	3901	3833	4500	4975	5681	5380	4912	5030
IOWA	8533	7246	8943	9091	9914	9981	8900	8198
KANS	2205	1897	2282	2787	3017	2710	2396	1986
KY	2600	3075	3310	3978	4503	3378	2945	2539
MICH	1899	1690	1898	1927	2009	2034	1784	1827
MINN	44458	41407	46720	44989	47055	44374	38328	33910
MISS	899	655	1093	1281	1322	894	660	502
MO	4768	3617	4710	5767	6143	6199	4869	4179
NEBR	1700	1659	2028	2007	2465	2467	2599	2384
N Y	5964	5955	6081	7662	8597	8550	6911	5667
N DAK	3765	3674	4197	4622	5353	5843	5289	4412
OHIO	2959	3323	3759	4581	4800	4293	3316	3318
OREG	2764	2593	3098	3188	3386	3308	3405	3587
S DAK	4787	4620	5248	5262	5471	5463	5214	4680
TENN	1663	1480	1835	1798	2172	1871	1876	1881
UTAH	4119	4041	4455	5161	6102	6752	6040	5847
VT	2264	2114	2198	2287	2399	2778	2381	2331
VA 3/	407	595	489	483	396	488	430	427
WASH	2276	1953	2502	2649	2893	2785	2731	2653
WIS	87410	82034	93103	96394	103242	102364	92532	88913
OTHER 2/	10407	10398	14010	15218	15919	11133	8229	6528
U S	211298	198513	228269	238934	255060	246216	220860	207120

SEE FOOTNOTES ON PAGE 19.

TABLE 13--MUNSTER CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ILL	348	345	398	376	324	335	318	369
VA	64	7						
WIS	4254	4027	4713	4890	4780	4751	4170	4479
OTHER 2/	825	685	925	844	979	654	620	844
U S	5491	5064	6036	6110	6083	5740	5108	5692

SEE FOOTNOTES ON PAGE 19.

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	7132	6737	6577	6623	16	47742	16	70996
IDAHO	8652	8860	8468	8467	14	82487	14	94187
ILL					10	4151		
IND	3549	4136	3591	4333	6	46373	6	53821
IOWA	8217	8095	8052	8701	10	96517	10	103871
KANS	1367	1378	1399	2411	8	25116	7	25835
KY	2124	2437	2374	2860	8	35355	7	36123
MICH	1761	1727	1626	1623	11	25288	9	21805
MINN	33129	37541	36767	42056	22	453459	20	490734
MISS	411	425	649	1347	4	8584	4	10138
MO	3756	3487	3912	5773	10	51589	12	57180
NEBR	1699	1918	1745	1567	5	19586	7	24238
N Y	4675	5129	4385	5038	17	75530	15	74614
N DAK	3605	3416	3440	4090	10	48186	10	51706
OHIO	2730	2955	2628	3854	8	35111	8	42516
OREG	3000	3285	3098	3119	5	34380	5	37831
S DAK	4413	4530	4645	5260	14	55683	16	59593
TENN	1654	1697	1382	1525	8	21826	7	20834
UTAH	4669	4766	5379	6123	10	50263	10	63454
VT	1871	1880	1686	2117	7	26102	10	26306
VA 3/	368	613	596	404	1	6131	2	5696
WASH	2404	2667	2383	2637	5	29928	5	30533
WIS	83576	85398	77633	89321	250	993926	249	1081920
OTHER 2/	6356	7181	7927	11220	24	102443	32	124526
U S	191118	200258	190342	220469	483	2375756	481	2608457

TABLE 13--MONSTER CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ILL	346	455	375	414	6	4329	7	4403
VA	26			85			1	182
WIS	4205	4417	4232	4471	43	56593	46	53389
OTHER 2/	879	799	752	579	9	9060	9	9385
U S	5456	5671	5359	5549	58	69982	63	67359

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 FIRMS INVOLVED.

TABLE 14--CHEDDAR CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	3528	3139	3444	3718	3949	4243	6306	6241
IDAHO	3441	3131	3227	3628	2978	3465	3532	4720
ILL								
KANS	368	356	424	413	425	445	367	327
KY	1890	2625	2621	2948	3415	2347	2090	1574
MICH	334	445	190	195	338	331	292	408
MINN	32397	30927	34066	33710	35363	32625	28726	25740
MISS	899	655	1093	1281	1322	894	660	502
MO	2901	2084	3004	4129	4454	4561	3571	3120
N Y	5600	5514	5629	6994	8067	7886	6258	5098
N DAK	3765	3674	4194	4622	5350	5843	5289	4409
S DAK	3224	3984	4502	4508	4641	3726	2569	2296
UTAH	3284	3094	3526	4391	5047	5870	5075	4713
VT 3/								
VA	330	196	169	386	216	387	262	298
WIS	70340	65758	74406	78691	85512	83678	75582	68107
OTHER 1/	20653	19441	25806	28053	30568	27277	22735	21238
U S	152954	145023	166301	177667	191645	183578	163314	148791

TABLE 15--BLUE CHEESE 2/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
WIS	1399	1280	1476	1714	1686	1613	1495	1441
OTHER 1/	1125	912	869	1189	1198	765	1229	871
U S	2524	2192	2345	2903	2884	2378	2724	2312

SEE FOOTNOTES ON PAGE 21.

TABLE 14--CHEDDAR CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	5817	5678	5527	5548	13	36422	14	57138
IDAHO	4597	4957	4271	4250	11	38952	12	46197
ILL					5	378		
KANS	319	297	342	413	7	4861	6	4496
KY	1547	1754	2006	2408			6	27225
MICH	243	351	427	254	8	8041	5	3808
MINN	25104	29146	28273	32452	19	333240	16	368529
MISS	411	425	649	1347	4	8584	4	10138
MO	2893	2582	2969	4669	7	41405	8	40937
N Y	4166	4493	3938	4531	16	71140	15	68174
N DAK	3605	3413	3440	4090	10	48173	10	51694
S DAK	2115	2124	2242	2827	14	31454	14	36758
UTAH	3555	3751	4232	5509	10	40554	10	52047
VT					5	25546		
VA 3/	27	72	92	281	1	4777	1	2716
WIS	62839	63215	58264	68270	209	809920	199	854662
OTHER 1/	16721	18240	18307	23762	67	247250	67	272801
U S	133959	140498	134979	160611	406	1750697	387	1899320

TABLE 15--BLUE CHEESE 2/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
WIS	1646	1543	1372	1447	4	18407	5	18112
OTHER 1/	1111	1110	827	896	6	14636	6	12102
U S	2757	2653	2199	2343	10	33043	11	30214

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

2/ INCLUDES GORGONZOLA.

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

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	1021	1002	1100	1208	1231	1150	1214	1433
IDAHO	3560	3382	4039	4273	4063	4313	4061	3927
ILL	245	256	410	271	304	252	199	224
KY	710	450	689	1030	1088	1031	855	965
MICH	1565	1245	1708	1732	1671	1703	1492	1419
MINN	12061	10480	12654	11279	11692	11749	9602	8170
MO	1867	1533	1706	1638	1689	1630	1298	1059
N Y	364	441	452	668	530	664	653	569
OHIO	2714	3072	3374	4135	4245	3753	2890	2887
S DAK	1563	636	746	754	830	1737	2645	2384
UTAH	835	947	929	770	1055	882	965	1134
VA 3/	77	399	320	97	180	101	168	129
WIS	17070	16276	18697	17703	17730	18686	16950	20806
OTHER 2/	14692	13371	15144	15709	17107	14979	14554	13223
U S	58344	53490	61968	61267	63415	62638	57546	58329

TABLE 17--CREAM CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	588	618	780	632	551	554	528	577
N Y	3671	3104	6374	5463	5126	6020	4501	4436
OTHER 2/	8901	9424	16047	12276	10136	13305	9799	10835
U S	13160	13146	23201	18371	15813	19879	14828	15848

SEE FOOTNOTES ON PAGE 23.

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	1315	1059	1050	1075	14	11320	13	13858
IDAHO	4055	3903	4197	4217	11	43535	11	47990
ILL	228	234	246	256	8	3773	7	3125
KY	577	683	368	452			3	8898
MICH	1518	1376	1199	1369	8	17247	7	17997
MINN	8025	8395	8494	9604	6	120219	5	122205
MO	863	905	943	1104	5	10184	8	16243
N Y	509	636	447	507	7	4390	6	6440
OHIO	2289	2537	2225	3239	7	30949	7	37360
S DAK	2298	2406	2403	2433	6	24229	7	20835
UTAH	1114	1015	1147	614	5	9709	7	11407
VA 3/	341	541	504	123	1	1354	1	2980
WIS	20737	22183	19369	21051	102	184006	128	227258
OTHER 2/	13290	13887	12771	13814	44	164144	39	172541
U S	57159	59760	55363	59858	224	625059	249	709137

TABLE 17--CREAM CHEESE
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	588	878	1403	868	3	7170	4	8565
N Y	7029	5777	8135	9480	5	65102	6	69116
OTHER 2/	15276	16882	18751	17035	12	151981	12	158667
U S	22693	23537	24289	27383	20	224253	22	236348

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

TABLE 18--ITALIAN CHEESE, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	11168	9820	10399	11375	11358	10818	10047	9921
CONN	402	445	475	423	381	388	355	414
ILL	2136	2009	2478	2479	2367	2433	2392	2360
MINN	2689	2632	3355	3350	3432	3354	3558	3808
NEBR	4004	3065	3748	3860	3835	3449	3189	3727
N J	2508	2002	2714	2332	1641	1882	1684	2054
N Y	13764	13199	16039	13763	12603	12926	11992	12440
PA	3905	3432	4064	4640	4655	4411	4187	4650
VT	2887	2363	2956	3003	3608	3436	3270	3509
VA 2/				175	249	120	128	119
WASH	1189	1232	1389	1401	1284	1274	1335	1343
WIS	25523	22896	26120	24892	25404	27370	24876	24981
OTHER 1/	12166	11209	12975	12931	13654	13221	12351	12315
U S	82341	74306	86712	84624	84471	85082	79369	81641

TABLE 19--MOZZARELLA AND SIMILARS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	10232	8874	9397	10412	10602	10047	9316	9132
ILL	1005	919	1136	1185	1164	1186	1197	1200
MINN	962	1068	1484	1521	1341	1054	944	1105
N J	1045	784	1059	909	718	749	738	910
N Y	9209	8649	9802	8441	8658	8634	8106	8270
PA	2286	1942	2386	2692	2843	2727	2803	2926
VT								
VA 2/				175	249	120	128	119
WIS	16230	14307	17323	16507	16408	17785	15897	16775
OTHER 1/	16497	14151	16382	16227	17569	16537	15452	16736
U S	57466	50694	58969	58069	59552	58839	54581	57173

SEE FOOTNOTES ON PAGE 25.

TABLE 18--ITALIAN CHEESE, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980	1981	1980	1981
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	9406	9417	8539	9648	13	117633	12	121916
CONN	558	556	537	568	5	4304	5	5502
ILL	2475	2407	2447	2743	9	27850	8	28726
MINN	3481	3044	3410	3665	7	44542	6	39778
NEBR	4117	3533	4048	4672	7	50822	7	45247
N J	2555	2854	2386	2743	8	28326	7	27360
N Y	14173	14557	14425	16327	23	160467	24	166208
PA	4405	4668	4614	5364	13	41476	12	52995
VT	3142	2975	2636	2985	4	35062	4	36770
VA 2/	124	12	20	5			1	952
WASH	1454	1255	1368	1399	3	15219	3	15923
WIS	27634	26475	24851	25772	57	312461	57	306796
OTHER 1/	11161	11156	10917	12169	38	144569	34	146225
U S	84685	82909	80198	88060	187	982731	180	994398

TABLE 19--MOZZARELLA AND SIMILARS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980	1981	1980	1981
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	8593	8598	7635	8693	10	106146	10	111531
ILL	1271	1282	1229	1339	8	13772	7	14113
MINN	663	307	516	568	4	21897	4	11533
N J	1135	1175	943	1017	5	11022	5	11182
N Y	9006	9565	8608	9741	15	105084	14	106689
PA	2895	2757	2499	3015	11	24912	10	31771
VT					4	27675		
VA 2/	124	12	20	5			1	952
WIS	19668	19087	18004	17811	44	202186	47	205802
OTHER 1/	15604	14985	14608	16593	46	175871	45	191341
U S	58959	57768	54062	58782	147	688565	143	684914

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 FIRMS INVOLVED.

TABLE 20--OTHER ITALIAN TYPES
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	936	946	1002	963	756	771	731	789
ILL	1131	1090	1342	1294	1203	1247	1195	1160
MINN	1727	1564	1871	1829	2091	2300	2614	2703
N J	1463	1218	1655	1423	923	1133	951	1144
N Y	4555	4550	6237	5322	3945	4292	3886	4170
PA	1619	1490	1678	1948	1812	1684	1384	1724
WIS	9293	8591	8797	8385	8996	9585	8979	8206
OTHER 1/	4151	4163	5161	5391	5193	5231	5048	4572
U S	24875	23612	27743	26555	24919	26243	24788	24468

SEE FOOTNOTES ON PAGE 27.

TABLE 21--ITALIAN CHEESE PRODUCTION IN THE UNITED STATES, 1980 AND 1981

TYPES	1980	1981	1981 AS % OF 1980
1,000 POUNDS			
PERCENT			
HARD:			
PROVOLONE AND SIMILARS	94,309	100,548	107
ROMANO AND SIMILARS	20,972	18,175	87
PARMESAN AND SIMILARS	59,881	65,474	109
OTHER HARD	5,471	5,560	102
TOTAL HARD	180,633	189,757	105
SOFT:			
MOZZARELLA AND SIMILARS	688,565	684,914	99
RICOTTA AND SIMILARS	106,747	112,824	106
OTHER SOFT	6,786	6,903	102
TOTAL SOFT	802,098	804,641	100
TOTAL HARD AND SOFT	982,731	994,398	101

B. BY REGIONS

REGION	HARD TYPES		SOFT TYPES		TOTAL (HARD AND SOFT)	
	1980	1981	1980	1981	1980	1981
1,000 POUNDS						
NORTH AND SOUTH ATLANTIC	15,061	24,186	261,625	275,938	276,686	300,124
EAST NORTH CENTRAL	115,650	106,273	239,221	248,889	354,871	355,162
WEST NORTH CENTRAL	39,662	51,749	133,684	114,890	173,346	166,639
SOUTH CENTRAL	5,623	4,111	25,102	16,331	30,725	20,442
WEST	4,637	3,438	142,466	148,593	147,103	152,031
U S	180,633	189,757	802,098	804,641	982,731	994,398

TABLE 20--OTHER ITALIAN TYPES
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	813	819	904	955	7	11487	7	10385
ILL	1204	1125	1218	1404	5	14078	5	14613
MINN	2818	2737	2894	3097			3	28245
N J	1420	1679	1443	1726	7	17304	6	16178
N Y	5167	4992	5817	6586	19	55383	20	59519
PA	1510	1911	2115	2349	13	16564	12	21224
WIS	7966	7388	6847	7961	34	110275	34	100994
OTHER 1/	4828	4490	4898	5200	39	69075	37	58326
U S	25726	25141	26136	29278	124	294166	124	309484

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

TABLE 22--CHEESE, PROCESSED CHEESE FOODS AND SPREADS, AND
COLD PACK: PRODUCTION, UNITED STATES, 1973-81 1/ 2/

YEAR	PROCESSED CHEESE		PROCESSED CHEESE FOODS & SPREADS 3/		COLD PACK CHEESE AND 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
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	9,369,687
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	36	866,566	31	671,340	27	40,991	60	1,578,897
1978	33	845,273	31	669,965	26	48,004	58	1,563,242
1979	35	834,693	36	656,932	25	44,468	64	1,536,093
1980	38	1,009,164	37	652,807	27	51,719	62	1,713,690
1981	38	1,001,055	34	671,494	22	51,018	61	1,723,567

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.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	711	843	806	808	727	768	757	805
IND 4/								
MASS	120	106	140	145	128	131	124	128
MISS	17	17	17	17	17	17	17	17
N Y	534	549	612	622	590	576	576	650
VA 4/								
WIS	751	1112	1384	1517	1495	1501	1601	1754
OTHER 2/	1477	1200	1446	1231	1202	1314	1256	1290
U S	3610	5827	4405	4340	4159	4307	4331	4644

TABLE 24--LOWFAT COTTAGE CHEESE 3/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ALA	109	106	149	147	101	128	142	115
CALIF	4210	3879	4402	4475	4930	4749	4675	4273
COLO	607	505	654	590	648	628	694	560
IDAHO 4/	65	62	92	91	82	76	91	80
ILL	272	264	342	326	353	348	343	329
IOWA	133	132	216	205	219	192	207	184
KANS	185	186	213	229	246	226	226	211
MICH	138	122	160	154	172	190	195	153
MO	232	246	301	297	268	297	309	303
N Y	2657	3215	3942	3848	3511	3747	3795	3386
N C	61	62	71	79	61	84	65	57
N DAK 4/	244	232	253	234	216	267	221	181
OHIO	1057	1210	1293	1253	1385	1372	1314	1160
OKLA	181	181	212	210	192	214	170	201
OREG	131	129	130	143	138	124	134	124
PA	1394	1223	1539	1485	1487	1400	1510	1625
TENN	44	47	53	51	38	58	58	64
TEX	248	244	289	369	349	319	288	273
WASH	710	374	421	505	417	453	437	429
WIS	628	477	521	465	469	546	695	580
OTHER 2/	2822	3098	3381	3362	3483	3280	3314	3394
U S	16128	15994	18624	18518	18765	18698	18883	17682

SEE FOOTNOTES ON PAGE 29.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	774	625	744	741	15	8910	13	9109
IND 4/		40	39				1	79
MASS	124	116	116	125	6	1148	5	1503
MISS	17	17	17	17	1	204	1	204
N Y	510	581	586	674	7	7309	6	7060
VA 4/					1	799		
WIS	1782	1775	1709	1637	24	18335	23	18018
OTHER 2/	1334	1429	1266	1430	30	16204	26	15875
U S	4541	4583	4477	4624	84	52909	75	51848

TABLE 24--LOWFAT COTTAGE CHEESE 3/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA	104	114	105	100	3	1332	3	1420
CALIF	4209	4065	3858	3579	10	49882	11	51304
COLO	541	534	544	546	3	6557	3	7051
IDAHO 4/	74	69	70	62			2	904
ILL	334	332	280	253	6	3556	7	3776
IOWA	199	194	179	161	4	1754	3	2221
KANS	214	194	183	174	5	2265	5	2487
MICH	161	168	125	104			4	1842
MO	298	284	253	225	5	2876	5	3313
N Y	3351	3297	2738	2756	8	28208	9	40243
N C	51	49	40	38			3	718
N OAK 4/	203	192	193	171	1	1971	1	2607
OHIO	1228	1739	1333	857	14	14691	15	15201
OKLA	211	227	173	213	7	2138	6	2385
OREG	120	118	110	99	6	1405	10	1500
PA	1491	1518	1476	1074	8	16925	8	17222
TENN	47	42	40	30			3	572
TEX	267	364	331	231	7	3789	7	3572
WASH	395	369	380	288	9	8160	9	5178
WIS	574	578	547	508	8	5361	8	6588
OTHER 2/	3193	3103	3130	2669	47	28966	37	38229
U S	17265	17550	16088	14138	153	179836	159	208333

1/ INCLUDES FULL-SKIM TYPE CHEESE BEGINNING 1974.

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

3/ MILKFAT CONTENT LESS THAN 4.0 PERCENT.

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

TABLE 25--CREAMED COTTAGE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ALA	156	146	176	175	174	171	167	171
ARIZ								
CALIF	7666	7116	7902	7831	8259	8256	8221	8302
COLO	1204	1095	1274	1246	1170	1287	1297	1183
IDAHO	243	245	278	283	269	278	288	270
ILL	2840	2602	3522	3161	3096	3164	3029	2810
IND	1959	1991	2326	2389	2424	2683	2957	2625
IOWA	1041	919	1728	1612	1624	1652	1575	1502
KANS	1515	1543	1688	1853	1660	1691	1738	1590
MICH	3247	2890	3418	3478	3514	3182	3771	2990
MO	2399	2247	2771	2598	2512	2381	2720	2555
MONT	431	399	490	517	474	508	560	526
NEBR	401	372	491	417	405	630	503	437
N MEX	578	653	658	532	570	655	705	612
N Y	8799	8684	10131	9302	9277	9513	9863	9878
N C	447	488	513	549	514	526	610	512
N DAK 4/	379	333	377	373	327	301	334	288
OHIO	4508	4573	5674	5315	4654	5269	5303	4862
OKLA	773	762	923	916	821	852	922	834
OREG	1310	1150	1251	1267	1216	1319	1280	1224
PA	3462	3569	4050	3967	3878	3835	3771	3546
TENN	422	410	464	462	418	491	499	479
TEX	1720	1764	2037	2239	2153	2278	2225	2103
UTAH	539	509	615	605	586	581	616	536
VT	723	868	1110	789	835	776	948	393
VA	849	833	1003	1074	952	916	953	959
WASH	2642	1765	1938	2739	1925	1980	1991	1969
WIS	5080	5451	6398	5941	5511	5602	4719	4247
OTHER 2/	6983	7444	8217	7647	7699	7696	7909	7713
U S	62316	61021	71223	69277	66917	68473	69474	65116

SEE FOOTNOTES ON PAGE 31.

TABLE 25--CREAMED COTTAGE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980	1981	1980	1981
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ALA	151	174	173	138	4	1999	4	1972
ARIZ					3	11962		
CALIF	7606	7341	7054	6598	13	96648	13	92152
COLO	1178	1174	1132	1019	6	14591	6	14259
IDAHO	259	249	231	226	3	3020	3	3119
ILL	2996	2823	2606	2587	8	37057	7	35236
IND	2798	2416	2258	2128	9	26997	9	28954
IOWA	1563	1542	1440	1186	7	17013	6	17384
KANS	1603	1497	1385	1283	7	19560	7	19046
MICH	2807	3205	2916	2890	8	41915	8	38308
MO	2464	2310	1889	1777			5	28623
MONT	452	440	398	440	8	5200	8	5635
NEBR	436	543	596	526	7	6077	5	5757
N MEX	639	645	574	553	3	8240	3	7374
N Y	9004	8545	8000	7217	14	117732	15	108213
N C	380	481	385	374	4	5978	4	5779
N DAK 4/	332	296	284	279	1	3506	1	3903
OHIO	5032	4876	4469	4387	25	63187	23	58922
OKLA	908	814	806	674	10	9824	8	10005
OREG	1164	1260	1315	1147	13	14875	13	14903
PA	3488	3432	3284	3157	15	45408	15	43439
TENN	413	713	675	588	7	6357	7	6034
TEX	2065	1915	1797	1776	12	23929	12	24072
UTAH	528	528	501	507	3	6741	3	6651
VT	255	241	222	187			6	7347
VA	992	1014	987	922	3	9455	4	11454
WASH	1844	1854	1665	1734	11	28662	11	24046
WIS	4279	4837	4405	4177	10	68652	10	60647
OTHER 2/	7547	7385	7238	6609	49	129961	40	90087
U S	63183	62550	58685	55086	263	824546	256	773321

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/ INCLUDES DISTRICT OF COLUMBIA.

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

TABLE 26--COTTAGE CHEESE CURD 1/
 PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ALA	156	162	208	206	178	192	195	182
ARIZ								
CALIF	8316	7565	8424	8486	9103	9120	8997	8445
COLO	1111	1004	1184	1159	1172	1197	1251	1097
IDAHO	183	181	213	223	216	214	224	208
ILL	2460	2353	2749	2578	2635	2592	2418	2363
IND	1166	1179	1368	1400	1435	1570	1728	1524
IOWA	677	606	1121	1057	1076	1051	1013	945
KANS	994	998	1093	1211	1105	1087	1112	1041
MICH	1956	1739	2032	2060	2021	1897	2152	1728
MO	1563	1457	1973	1663	1609	1558	1939	1664
MONT	287	265	332	348	396	425	382	445
NEBR	257	238	309	254	255	409	331	284
N MEX	383	427	477	465	407	476	493	446
N Y	7887	8156	9677	8983	8607	8821	8415	8434
N C	273	307	323	329	330	352	378	338
N DAK 3/	370	344	388	378	213	333	348	286
OHIO	3534	3712	4515	4365	3925	4286	4286	3882
OKLA	545	534	623	611	569	588	594	559
OREG	830	757	809	890	797	824	821	761
PA	3238	3284	3831	3836	3551	3496	3630	3556
TENN	298	291	328	322	263	333	338	268
TEX	1141	1169	1374	1459	1393	1464	1356	1374
UTAH	457	432	534	511	510	521	530	460
VT	938	1043	1332	1101	1098	1227	1025	740
VA	629	623	745	788	693	634	640	660
WASH	2054	1808	2010	1898	1893	1895	1956	1945
WIS	3475	3580	4118	3838	3566	3761	3301	2973
OTHER 2/	6595	7169	8334	8192	7663	8039	7442	7829
U S	51773	51385	60424	58611	56679	58354	57295	54437

SEE FOOTNOTES ON PAGE 33.

TABLE 26--COTTAGE CHEESE CURD 1/
 PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ALA	161	183	176	151	4	2148	4	2150
ARIZ					3	8982		
CALIF	7865	7413	7118	6624	13	100890	13	97476
COLO	1077	1075	1031	964	6	13023	6	13322
IDAHO	200	193	180	181	3	2270	3	2416
ILL	2342	2236	2063	1987	9	31204	9	28776
IND	1638	1442	1338	1248	9	15934	9	17036
IOWA	1007	1006	983	911	7	10891	6	11455
KANS	1042	984	917	858	7	12777	8	12442
MICH	1659	1850	1788	2054	7	24680	7	22936
MO	1614	1553	1229	1178	5	18827	5	18992
MONT	340	333	265	298	8	3435	8	4116
NEBR	276	354	388	350	6	4090	5	3707
N MEX	428	427	386	416	3	5241	3	5231
N Y	7788	7440	6812	6562	16	105778	16	97582
N C	252	285	236	233	4	3957	4	3636
N DAK 3/	322	314	277	302	1	3366	1	3875
OHIO	4013	3983	3804	3565	25	49391	23	47870
OKLA	591	569	552	492	10	6839	8	6827
OREG	721	774	734	664	13	9478	13	9382
PA	3302	3307	3292	2967	13	38729	14	41290
TENN	288	455	428	349	7	4439	7	3961
TEX	1398	1292	1227	1179	12	16089	12	15826
UTAH	462	750	433	422	3	5427	3	6022
VT	639	608	621	661	5	15069	6	11033
VA	697	745	714	659	3	7322	5	8227
WASH	1881	1783	1654	1675	12	22566	11	22452
WIS	2955	3282	3040	2889	11	45144	10	40778
OTHER 2/	7778	6770	6664	6250	44	79447	45	88725
U S	52738	51406	48350	46089	269	667433	264	647541

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 FIRMS INVOLVED.

TABLE 27--CONDENSED MILK, BULK PRODUCTS
 PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
SWEETENED CONDENSED WHOLE MILK								
WIS	4186	3557	5182	4718	5261	5235	4347	4400
OTHER 1/	1521	1342	1929	1759	1732	1400	1760	765
U S	5707	4899	7111	6477	6993	6635	6107	5165
SWEETENED CONDENSED SKIM MILK								
WIS	2822	2687	4086	3220	2924	3432	3122	3231
OTHER 1/	648	561	482	559	757	535	505	669
U S	3470	3248	4568	3779	3681	3967	3627	3900
UNSWEETENED CONDENSED WHOLE MILK								
N Y	3598	2991	4112	3254	4125	4749	5319	5695
PA	2388	2881	5882	4995	5523	3494	3970	3658
WIS	4536	4046	8586	3789	3504	3688	3202	4277
OTHER 1/	2849	3167	3687	3774	3709	4380	4533	4228
U S	13371	13085	22267	15812	16861	16311	17024	17858
UNSWEETENED CONDENSED SKIM MILK								
CALIF	9868	9459	9389	10700	9812	10419	11350	10237
MICH	4664	7074	6838	8934	8772	7321	6668	5809
MO	631	505	1305	1651	1649	1990	1659	1913
N Y	4813	4449	5505	5873	6241	5894	6121	5471
OHIO	2748	2077	2803	3760	3487	4064	2554	2383
PA	4660	5981	3847	4223	4935	6702	7472	5852
WIS	8757	6660	8049	6503	6413	6747	6165	10266
OTHER 1/	13530	13343	18446	17817	17915	18099	19870	20465
U S	49671	49548	56182	59461	59224	61236	61859	62396

SEE FOOTNOTES ON PAGE 35.

TABLE 27--CONDENSED MILK, BULK PRODUCTS
 PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980 PLANTS	1980 PRODUCTION	1981 PLANTS	1981 PRODUCTION
SWEETENED CONDENSED WHOLE MILK								
WIS	4715	4240	3375	2676	4	46376	4	51892
OTHER 1/	1596	1923	1494	1238	7	17387	6	18459
U S	6311	6163	4869	3914	11	63763	10	70351
SWEETENED CONDENSED SKIM MILK								
WIS	3999	3758	2722	2284	5	38051	4	38287
OTHER 1/	828	693	757	526	4	7630	3	7720
U S	4827	4651	3479	2810	9	45681	7	46007
UNSWEETENED CONDENSED WHOLE MILK								
N Y	4855	4592	4220	4902	5	35366	6	52412
PA	2753	2920	2901	3318	5	43186	6	44683
WIS	4781	5131	3678	3625	5	37883	4	52843
OTHER 1/	3543	4370	3995	3446	13	39971	15	45681
U S	15932	17013	14794	15291	28	156406	31	195619
UNSWEETENED CONDENSED SKIM MILK								
CALIF	9524	10294	10950	10982	12	131035	14	122984
MICH	3584	3251	2855	3849	4	68752	4	69619
MO	1579	1451	1700	1562	4	18362	6	17595
N Y	4524	4161	3422	4029	15	59057	14	60503
OHIO	2201	2216	1742	1770	6	58554	5	31805
PA	3646	2812	4071	4126	7	57658	6	58327
WIS	9316	9419	8390	6816	16	93677	12	93501
OTHER 1/	18867	18431	14805	13719	30	198786	29	205307
U S	53241	52035	47935	46853	94	685881	90	659641

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, 1981 AND ANNUAL 1980 AND 1981

:									
1981									

STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
:									

1,000 POUNDS									
OHIO	10046	7965	9593	10673	10824	9350	9507	10186	
OTHER 1/	45268	46538	50226	54216	56137	58952	57297	57958	
U S	55314	54503	59819	64889	66961	68302	66804	68144	

SEE FOOTNOTES ON PAGE 37.

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

:									
1981									

STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
:									

1,000 POUNDS									
SWEET-TYPE, HUMAN									
MINN									
WIS	1059	758	1382	1629	1667	1402	1502	1738	
OTHER 1/	3087	2923	3730	4235	5363	4891	4957	5200	
U S	4146	3681	5112	5864	7030	6293	6459	6938	

TOTAL CONDENSED 3/									
MINN									
N Y	1230	1744	2176	3612	3287	3214	2457	1999	
WIS	1979	1500	1590	1629	1667	1402	1612	1740	
OTHER 1/	4084	3616	3396	4590	5251	5152	5191	6322	
U S	7293	6860	7162	9831	10205	9768	9260	10061	

SEE FOOTNOTES ON PAGE 37.

TABLE 28--EVAPORATED AND CONDENSED WHOLE MILK, CASE GOODS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
OHIO	8915	9658	10417	12085	5	132056	5	119219
OTHER 1/	50709	53270	51637	56492	14	592609	14	638700
U S	59624	62928	62054	68577	19	724665	19	757919

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
SWEET-TYPE, HUMAN								
MINN					5	19128		
WIS	2457	1681	974	1181	5	22122	4	17430
OTHER 1/	5328	4246	5932	6908	13	25682	19	56800
U S	7785	5927	6906	8089	23	66932	23	74230
TOTAL CONDENSED 3/								
MINN					5	19128		
N Y	3107	2487	5496	4519			12	35328
WIS	2457	1681	974	1181	6	23633	5	19412
OTHER 1/	5039	4891	4708	5982	18	42940	18	58222
U S	10603	9059	11178	11682	29	85701	35	112962

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, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS ^U								
CALIF	18455	17534	21114	22447	23613	22519	23801	23491
IDAHO	1190	1365	1706	1631	2228	1680	2841	2250
IOWA	7302	7652	8676	9608	10482	9998	9981	8601
MICH	4284	4076	5225	5091	6140	7057	6602	7584
MINN	14202	14022	16605	18167	19913	18329	17021	15383
N Y	3921	4595	4731	7636	9306	9751	5428	4012
N DAK 2/	584	575	668	697	853	743	546	357
OHIO	3150	3197	3215	3776	4489	4231	3211	3382
PA	5384	4836	5283	6017	6264	5463	4946	5259
S DAK	3439	3095	3596	3523	3746	3736	3502	3449
UTAH	94	122	268	720	901	588	682	518
WIS	9050	10772	12497	14922	16290	15841	13569	12842
OTHER 1/	24562	24228	29199	32197	32551	29655	27597	25784
U S	95617	96069	112783	126432	136776	129591	119727	112912

TABLE 31--DRY SKIM FOR ANIMAL FEED
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	135	94	154	126	148	180	211	138
MINN	23	12	17	15	26	18	44	13
N Y	44	52	52	69	68	66	159	51
N DAK 2/	3	2	2	4	5	3	6	4
UTAH	2	3	3	4	5	7	5	8
WIS	70	41	103	98	57	58	61	95
OTHER 1/	252	241	375	275	369	321	533	455
U S	529	445	706	591	678	653	1019	764

SEE FOOTNOTES ON PAGE 39.

TABLE 30--NONFAT DRY MILK FOR HUMAN FOOD
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980	1981	1980	1981
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	21878	23816	21331	23272	14	242616	14	263271
IDAHO	1739	1782	1683	2130			1	22225
IOWA	6167	5985	5877	7488	7	82626	7	97817
MICH	7627	7409	6743	7931	4	66214	4	75769
MINN	12598	12216	12538	14866	16	171186	16	185860
N Y	1885	1023	816	3239	12	56789	12	56343
N DAK 2/	122	178	188	149	1	4900	1	5660
OHIO	2599	2797	2280	3302	5	38087	5	39629
PA	3353	2739	3480	4423	5	48301	5	57447
S DAK	3166	3320	3051	3357	4	38536	4	40980
UTAH	569	294	109	157			3	5022
WIS	10677	8001	8367	10440	14	118624	14	143268
OTHER 1/	20613	22442	22829	29322	31	292812	28	320979
U S	92993	92002	89292	110076	113	1160691	114	1314270

TABLE 31--DRY SKIM FOR ANIMAL FEED
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980	1981	1980	1981
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	186	167	175	268	9	1589	11	1982
MINN	10	10	9	12	12	457	7	209
N Y	29	16	23	49	7	902	4	678
N DAK 2/		1	1	1	1	47	1	32
UTAH	5	2	1	3			3	48
WIS	63	68	37	60	12	677	12	811
OTHER 1/	309	298	250	408	31	3272	31	4086
U S	602	562	496	801	72	6944	69	7846

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

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

TABLE 32--DRY MILK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
DRY WHOLE MILK								
MINN								
OTHER 1/	6637	6303	7530	7827	8379	6447	7127	7891
U S	6637	6303	7530	7827	8379	6447	7127	7891
DRY BUTTERMILK								
CALIF	501	443	366	339	360	379	380	312
MICH	233	201	242	156	252	211	80	98
MINN	570	524	655	847	793	693	574	646
N Y	557	521	313	345	347	192	78	103
N DAK 3/	83	74	84	67	69	54	55	49
WIS	1919	1327	1384	1571	1471	1309	848	781
OTHER 1/	1900	1015	978	669	749	600	617	680
U S	5763	4105	4022	3994	4041	3438	2632	2669

SEE FOOTNOTES ON PAGE 41.

TABLE 33--LACTOSE-MILK SUGAR
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
FOR HUMAN FOOD								
CALIF	1583	1676	1176	1397	824	1046	1041	964
MINN								
WIS	3478	3500	3798	3948	4205	4345	4174	3629
OTHER 1/	7683	5204	8554	8473	8319	8749	7901	6997
U S	12744	10380	13528	13818	13348	14140	13116	11590
TOTAL LACTOSE 2/								
MINN								
WIS	4008	3970	4374	4580	4801	4867	4759	4122
OTHER 1/	10137	7935	10718	10779	10171	11443	10491	9176
U S	14145	11905	15092	15359	14972	16310	15250	13298

SEE FOOTNOTES ON PAGE 41.

TABLE 32--DRY MILK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980 PLANTS:PRODUCTION	1981 PLANTS:PRODUCTION	1980 PLANTS:PRODUCTION	1981 PLANTS:PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
DRY WHOLE MILK								
MINN :					3	18275		
OTHER 1/ :	8240	8938	8512	8893	19	64437	21	92724
U S :	8240	8938	8512	8893	22	82712	21	92724
DRY BUTTERMILK								
CALIF :	362	420	342	380	3	3549	7	4584
MICH :	72	111	191	268	4	2366	3	2115
MINN :	438	358	276	484	4	6771	5	6858
N Y :	158	89	75	243	7	1757	7	3021
N DAK 3/ :					1	766	1	535
WIS :	940	794	1005	1495	9	14365	9	14844
OTHER 1/ :	924	1235	1090	1400	26	14301	23	11857
U S :	2894	3007	2979	4270	54	43875	55	43814

TABLE 33--LACTOSE=MILK SUGAR
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980 PLANTS:PRODUCTION	1981 PLANTS:PRODUCTION	1980 PLANTS:PRODUCTION	1981 PLANTS:PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
FOR HUMAN FOOD								
CALIF :	855	915	760	806			3	13043
MINN :					4	30658		
WIS :	3205	3638	3364	3749	8	46729	8	45033
OTHER 1/ :	7133	5055	5111	5834	7	40196	10	85013
U S :	11193	9608	9235	10389	19	117583	21	143089
TOTAL LACTOSE 2/								
MINN :					4	30658		
WIS :	3709	4029	3656	4020	10	58811	10	50895
OTHER 1/ :	9158	6874	6809	7504	8	50708	14	111195
U S :	12867	10903	10465	11524	22	140177	24	162090

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 FIRMS INVOLVED.

TABLE 34--DRY WHEY
PRODUCTION BY STATES, BY MONTHS, 1961 AND ANNUAL 1960 AND 1981

		1981							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 POUNDS									
HUMAN FOOD									
MINN	14034	12107	12817	11436	11931	10919	10381	10126	
N Y	5841	6264	4643	5576	5813	5095	4079	5027	
UTAH	1844	1894	1881	1995	1765	1935	2058	1948	
WIS	15611	15441	17601	14666	17059	17202	16153	16518	
OTHER 1/	14650	14662	15380	15213	16040	14915	14138	13908	
U S	51980	50368	52322	48886	52608	50066	46809	47527	
ANIMAL FEED									
MINN	210	211	1423	2540	2131	3754	2791	346	
MO	1659	1320	1847	2159	2192	1946	2185	1644	
N Y	3150	3685	2820	2423	2834	2706	2524	1204	
UTAH	41	35	42	50	43	39	62	71	
WIS	5347	4868	6118	6260	6494	5692	7058	6116	
OTHER 1/	3409	2529	4015	3451	3591	3719	6774	2350	
U S	13816	12648	16265	16883	17285	17856	21394	11731	
TOTAL DRY WHEY									
IOWA	4388	4093	4791	4680	4896	4317	4013	3915	
MINN	14244	12310	14240	13976	14062	14673	13172	10472	
MO	1659	1320	1847	2159	2192	1946	2185	1644	
N Y	8991	9449	7463	7999	8647	7801	6603	6231	
UTAH	1885	1929	1923	2045	1808	1974	2120	2019	
WIS	20958	20309	23719	20926	23553	22894	23211	22634	
OTHER 1/	13671	13096	14604	13984	14735	14317	16899	12343	
U S	65796	63016	68587	65769	69893	67922	68203	59258	

SEE FOOTNOTES ON PAGE 43.

TABLE 34--DRY WHEY
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	PLANTS	PRODUCTION	PLANTS	PRODUCTION	PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
HUMAN FOOD								
MINN	10504	11220	12256	14907	11	144416	9	142638
N Y	5077	4463	4858	4398	8	46467	10	61134
UTAH	1423	1789	1627	1979	4	20309	4	22138
WIS	16913	16467	16709	18880	14	170077	13	199220
OTHER 1/	13916	12780	13590	15006	22	152653	19	174198
U S	47833	46719	49040	55170	59	533922	55	599328
ANIMAL FEED								
MINN	237	191	285	1172	8	14542	7	15291
MO	1763	1749	1676	2345	4	20643	6	22485
N Y	2418	2327	2374	2094	8	23508	7	30559
UTAH	124	66	128	74	4	520	3	775
WIS	6679	7999	5597	6804	17	47297	18	75032
OTHER 1/	2171	2039	2766	3532	35	49286	33	40346
U S	13392	14371	12826	16021	76	155796	74	184488
TOTAL DRY WHEY								
IOWA	3832	3749	4169	4429	8	50601	7	51272
MINN	10741	11411	12541	16079	13	158958	9	157929
MO	1763	1749	1676	2345	4	20643	6	22485
N Y	7495	6790	7232	6492	9	69975	12	91693
UTAH	1547	1855	1755	2053	4	20829	4	22913
WIS	23592	24466	22306	25684	23	217374	23	274252
OTHER 1/	12255	11070	12187	14109	32	151338	30	163272
U S	61225	61090	61866	71191	93	689718	91	783816

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, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	814	917	1115	1249	1155	1502	1431	1282
ARIZ	436	533	513	558	564	615	607	534
ARK	287	354	383	436	469	560	538	482
CALIF	6205	6603	7898	7622	7985	9627	10381	9071
COLO	693	735	748	860	825	1001	1028	940
CONN	1068	1710	1912	1824	1356	1998	1773	1966
FLA	2382	2675	3252	3029	2790	3152	3227	3066
GA	403	456	535	589	605	643	693	623
IDAHO	217	185	247	247	250	289	402	271
ILL	2505	2479	2983	3008	3197	3639	3858	3390
IND	1147	1595	1852	1505	1695	2168	2331	2269
IOWA	834	984	1109	1256	1218	1314	1568	1351
KANS	575	653	646	720	732	797	845	839
LA	426	568	731	710	728	945	830	759
MAINE	19	21	31	36	47	63	80	77
MD 2/	1063	1443	1655	1632	1423	1695	1853	1583
MASS	2244	2924	3873	3463	3513	4288	4804	4757
MICH	1975	2184	2659	2724	2698	3440	3489	3149
MINN	1949	2696	2679	2938	2784	3419	3677	3032
MISS	319	317	464	455	435	627	554	518
MO	1101	1206	1395	1388	1463	1657	1724	1595
MONT	137	107	184	183	151	195	218	192
NEBR	567	674	845	795	824	934	1076	948
NEV	83	87	97	98	109	114	124	119
N H								
N J	923	890	1114	1258	1341	1647	1757	1619
N MEX	206	282	303	265	303	406	320	318
N Y	3809	4263	5341	4773	5061	6724	6762	6705
N C	1434	1822	2178	2314	2329	2624	3050	2672
N DAK	160	187	182	195	181	234	245	219
OHIO	2870	3305	4183	3950	4029	4876	4975	4483
OKLA	669	615	878	871	914	1043	1074	804
OREG	643	646	784	775	846	920	1000	853
PA	4466	4889	5899	6108	5813	7122	7818	6899
R I	67	57	90	75	93	111	149	103
S C	658	672	935	944	1204	1021	1029	921
TENN	1145	1261	1592	1691	1558	1966	1994	1709
TEX	2806	2989	3707	3661	3753	4780	4595	4352
UTAH	537	615	769	690	735	902	863	813
VT	15	19	22	30	37	59	33	33
VA	643	740	864	878	903	1033	1181	1112
WASH	1153	1106	1357	1203	1349	1515	1650	1695
W VA	177	155	197	199	196	257	255	234
WIS	1384	1480	1814	1721	1677	2156	2231	2014
OTHER 1/	570	736	789	912	881	1041	1102	954
U S	51784	58837	70604	69838	70219	85119	89194	81325

SEE FOOTNOTES ON PAGE 45.

TABLE 35--ICE CREAM, TOTAL
 PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL	
	SEP	OCT	NOV	DEC	1980 PRODUCTION	1981 PRODUCTION
1,000 GALLONS						
ALA	1270	1040	861	699	12602	13335
ARIZ	532	469	399	413	6361	6173
ARK	469	384	333	331	4503	5026
CALIF	8320	7207	6526	6705	90714	94150
COLO	843	862	608	665	9607	9808
CONN	1743	1441	1494	1532	20387	19817
FLA	3025	2704	2587	2433	34767	34322
GA	446	529	409	349	6012	6280
IDAHO	288	293	184	196		3069
ILL	3135	2634	2348	2611	38147	35787
IND	2063	1688	1748	1611	22466	21672
IOWA	1358	1090	1062	1069		14213
KANS	766	621	563	504	7711	8261
LA	818	641	500	590	8235	8246
MAINE	38	30	27	24	467	493
MD 2/	1375	1083	921	997	17721	16723
MASS	4160	3050	3048	3069	43986	43193
MICH	2888	2430	2145	2265	36637	32046
MINN	2890	2866	2304	2538	32888	33772
MISS	459	308	244	266	4895	4966
MO	1455	1358	1062	1131	16847	16535
MONT	174	150	107	110	1963	1908
NEBR	824	713	655	701	9125	9556
NEV	110	99	84	88	1186	1212
N H					1237	
N J	1554	1495	979	1193	11310	15770
N MEX	346	264	213	277	3237	3503
N Y	5776	4845	4318	5360	57871	63737
N C	2257	2109	1869	1646	26764	26304
N DAK	188	168	152	145	2459	2256
OHIO	4221	3412	3052	3394	49020	46750
OKLA	854	751	588	602	9565	9663
OREG	721	656	592	631	8169	9069
PA	6043	5579	5343	5342	79939	71321
R I	86	93	83	58	1110	1065
S C	912	843	724	600	10237	10463
TENN	1537	1448	1159	1035	18751	18095
TEX	4303	3584	2986	3054	38987	44570
UTAH	723	685	556	587	8198	8475
VT	26	17	13	13	298	317
VA	991	812	800	708	8781	10665
WASH	1499	1667	1068	1243	17040	16505
W VA	227	203	185	165	2359	2450
WIS	1054	1744	1400	1386	21580	20861
OTHER 1/	854	681	625	696	25659	9841
U S	74421	64746	56924	59032	829798	832243

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, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	355	421	546	602	626	724	714	624
ALAS								
ARIZ	326	369	383	419	406	451	435	394
ARK	188	206	258	302	302	376	375	350
CALIF 2/	1881	1982	2284	2551	2527	2977	2981	2595
COLO	323	350	430	480	479	641	643	569
CONN	151	307	314	293	260	343	302	349
FLA	1030	982	1338	1302	1307	1443	1285	1345
GA	555	419	649	705	711	814	751	740
IDAHO	65	82	89	122	93	135	145	124
ILL	917	1023	1470	1611	1740	2093	2174	2010
IND	263	371	530	546	650	740	875	654
IOWA 3/	264	309	448	471	600	693	652	562
KANS	242	373	472	487	474	554	596	564
KY	175	173	256	326	341	436	432	379
LA	263	294	379	407	400	491	479	404
MAINE	10	8	6	31	74	80	106	88
MD 4/	321	401	503	517	567	699	719	632
MASS	551	499	768	822	966	1265	1437	1238
MICH	986	622	826	984	1254	1450	1456	1331
MINN	209	283	444	513	581	627	719	622
MISS 5/	169	186	279	278	267	388	302	289
MO	636	673	804	930	981	1191	1118	970
MONT 6/	51	52	85	85	86	99	124	113
NEBR	210	268	327	338	390	472	469	404
NEV								
N H	16	24	40	65	107	102	136	103
N J	231	252	284	375	320	307	385	315
N MEX								
N Y	516	618	696	745	989	1020	1047	1031
N C	639	711	867	1015	1069	1172	1360	1091
N DAK	58	61	87	100	116	117	149	109
OHIO	952	1207	1891	2240	2291	2801	2874	2396
OKLA	306	319	411	396	435	504	450	409
OREG 7/	293	278	368	504	438	446	499	470
PA	676	882	1110	1118	1494	1675	1748	1515
R I	10	36	49	78	103	121	158	113
S C	232	386	367	357	481	420	357	491
S DAK	21	26	45	53	60	68	75	63
TENN	319	351	434	528	451	593	656	490
TEX	839	815	1093	1198	1096	1390	1191	1164
UTAH	144	164	191	188	208	280	279	248
VT	22	26	30	38	43	44	48	43
VA	221	247	338	365	381	411	464	525
WASH	644	540	624	696	803	771	942	985
W VA	104	127	172	232	253	336	290	281
WIS	321	361	588	625	676	864	767	611
WYO	28	13	14	67	77	89	103	76
OTHER 8/	276	285	328	325	342	369	371	344
U S	17009	18382	23917	26430	28315	33082	33638	30223

SEE FOOTNOTES ON PAGE 47.

TABLE 36--ICE MILK, TOTAL 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL	
	SEP	OCT	NOV	DEC	1980 PRODUCTION	1981 PRODUCTION
1,000 GALLONS						
ALA	562	479	382	288	7010	6323
ALAS					495	
ARIZ	382	358	295	302	4630	4520
ARK	296	266	237	228	2980	3384
CALIF 2/	2487	2174	1918	2042	28729	28399
COLO	457	430	349	297	5092	5448
CONN	284	256	296	248	2976	3403
FLA	1267	1208	1058	1024	16465	14589
GA	735	584	500	475	6993	7638
IDAHO	97	91	101	82		1226
ILL	1689	1383	1198	1006	17485	18314
IND	654	545	389	352	6434	6569
IOWA 3/	499	411	256	250	6277	5415
KANS	490	382	284	305	5773	5223
KY	296	282	210	150	3233	3456
LA	358	348	290	294	4188	4407
MAINE	29	10	8	5	377	457
MD 4/	457	414	367	356	5712	5953
MASS	921	636	546	524	9817	10173
MICH	867	690	548	529	10624	11543
MINN	453	318	263	231	5310	5263
MISS 5/	254	197	184	174	3111	2967
MO	818	764	564	538	9791	9987
MONT 6/	81	57	63	67	1063	963
NEBR	291	245	204	203	2952	3821
NEV					1078	
N H	45	31	17	15		701
N J	297	290	242	200	3697	3498
N MEX					1230	
N Y	740	672	560	529	9743	9163
N C	889	766	661	502	10819	10742
N DAK	86	68	50	44	987	1045
OHIO	1830	1378	1163	1021	22359	22044
OKLA	442	347	302	284	4114	4605
OREG 7/	394	344	281	299	4156	4614
PA	1108	975	923	754	15187	13978
R I	20	26	14	21	432	749
S C	383	357	253	241	4019	4325
S DAK	43	29	23	18	485	524
TENN	426	368	284	264	5772	5164
TEX	1058	976	801	766	11895	12387
UTAH	196	175	140	138	2882	2351
VT	31	26	20	22		393
VA	370	335	297	249	3963	4203
WASH	862	665	566	633	8935	8731
W VA	197	169	116	80	2675	2359
WIS	453	327	244	261	7085	6098
WYO	58	50	34	35		644
OTHER 8/	334	280	253	243	4354	3750
U S	24986	21182	17756	16589	293384	291509

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

TABLE 37--ICE MILK, HARD
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	142	186	243	262	268	330	324	274
ARK	56	67	71	93	81	103	102	103
CALIF	597	679	825	865	918	1037	1059	977
COLO	57	84	77	82	76	96	89	74
FLA	305	236	361	346	393	424	381	410
GA	54	42	59	74	80	94	79	68
IDAHO	18	26	16	35	15	26	31	23
ILL	136	194	194	192	209	259	261	256
IND	99	146	176	157	209	223	323	183
LA	25	32	47	44	45	61	53	45
MD 2/	57	83	127	97	88	117	138	114
MASS	246	172	233	205	237	291	337	309
MICH	69	139	150	154	192	262	268	221
MINN	41	50	39	70	50	73	62	58
MISS	50	55	84	75	89	117	84	86
MO	239	270	287	338	357	454	413	359
MONT	11	10	15	17	12	15	17	18
N J	4	8	6	8	8	2	8	3
N Y	197	230	227	226	344	306	327	343
N C	303	358	404	459	507	512	665	495
N DAK	8	4	9	11	7	6	13	12
OHIO	145	209	317	320	256	324	301	265
OKLA	77	86	104	93	110	127	108	91
OREG	37	34	43	52	68	59	56	43
PA	259	349	363	333	408	453	487	410
S C	135	236	211	197	272	231	194	284
TENN	191	199	237	297	235	315	342	266
TEX	174	170	269	255	203	309	219	221
UTAH	48	69	62	56	62	70	75	60
VA	25	36	58	41	46	40	53	118
WASH	139	155	151	179	235	203	273	303
W VA	24	26	31	31	32	35	29	40
WIS	91	85	127	164	123	219	168	150
OTHER 1/	531	696	787	818	906	984	1001	938
U S	4590	5426	6410	6646	7141	8177	8340	7620

SEE FOOTNOTES ON PAGE 49.

TABLE 37--ICE MILK, HARD
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980 PLANTS:PRODUCTION:	1982 PLANTS:PRODUCTION:		
	1,000 GALLONS				NUMBER 1,000 GAL			
ALA	233	194	151	104	7	3108	5	2711
ARK	87	79	76	67	6	785	6	985
CALIF	931	860	593	558	80	10350	77	9899
COLD	68	73	56	36	12	1015	10	868
FLA	353	347	291	236	11	6050	10	4083
GA	70	70	61	29	5	790	5	780
IDAHO	19	20	28	12			4	269
ILL	222	155	146	145	28	2605	28	2369
IND	226	298	151	149	20	2639	19	2250
LA	50	40	32	28	19	585	19	502
MD 2/	66	57	54	68	7	1084	6	1066
MASS	259	138	152	160	11	3271	13	2739
MICH	172	101	75	85	26	1876	26	1888
MINN	48	43	35	35	5	774	4	604
MISS	83	47	44	36	7	967	6	850
MO	289	292	192	198	16	3809	15	3688
MONT	9	9	8	7	8	169	9	148
N J	5	2	9	4	6	89	5	67
N Y	227	171	147	160	21	3249	18	2905
N C	391	338	308	212	16	5426	18	4952
N DAK	8	7	5	5	5	106	6	100
OHIO	236	149	165	157	34	3074	35	2844
OKLA	89	72	62	58	11	1517	9	1077
OREG	44	35	37	39	11	452	12	547
PA	323	316	322	259	37	5306	32	4282
S C	223	214	150	143	5	2544	5	2490
TENN	226	194	148	136	11	3508	11	2786
TEX	225	182	126	111	21	2717	20	2464
UTAH	47	44	32	36	11	804	10	661
VA	46	33	42	27	7	543	7	565
WASH	294	173	124	191	17	3319	14	2420
W VA	36	28	17	20	3	446	3	349
WIS	130	97	60	77	23	1733	25	1491
OTHER 1/	783	727	604	581	69	8874	56	9356
U S	6518	5515	4503	4169	576	83584	548	75055

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

TABLE 38--ICE MILK, SOFT
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	213	235	303	340	358	394	390	350
ALAS								
ARK	132	139	187	209	221	273	273	247
CALIF	1284	1303	1459	1686	1609	1940	1922	1618
COLO	266	266	353	398	403	545	554	495
CONN								
DEL	6	7	8	9	10	14	14	11
FLA	725	746	977	956	914	1019	904	935
GA	501	377	590	631	631	720	672	672
IDAHO	47	56	73	87	78	109	114	101
ILL	781	829	1276	1419	1531	1834	1913	1754
IND	164	225	354	389	441	517	552	471
IOWA	147	167	281	294	366	434	412	353
KANS	124	186	257	260	257	322	333	299
LA	238	262	332	363	355	430	426	359
MAINE	10	8	8	31	74	79	105	87
MD 2/	264	318	376	420	479	582	581	518
MASS	305	327	535	617	729	974	1100	929
MICH	917	483	676	830	1062	1188	1188	1110
MINN	168	233	405	443	531	554	657	564
MISS	119	131	195	203	178	271	218	203
MO	397	403	517	592	624	737	705	611
MONT	40	42	70	68	74	84	107	95
N J	227	244	278	367	312	305	377	312
N Y	319	388	469	519	645	714	720	688
N C	336	353	463	556	562	660	695	596
N DAK	50	52	78	89	109	111	136	97
OHIO	807	998	1574	1920	2035	2477	2573	2131
OKLA	229	233	307	303	325	377	342	318
OREG	256	244	325	452	370	387	443	427
PA	417	533	747	785	1086	1222	1261	1105
S C	97	150	156	160	209	189	163	207
S DAK	21	26	45	53	60	68	75	63
TENN	128	152	197	231	216	278	314	224
TEX	665	645	824	943	893	1081	972	943
UTAH	96	95	129	132	146	210	204	188
VA	196	211	280	324	335	371	411	407
WASH	505	385	473	517	568	568	669	682
W VA	80	101	141	201	221	301	261	241
WIS	230	276	461	461	553	645	599	461
WYO	25	10	12	64	73	85	100	74
OTHER 1/	887	1117	1316	1462	1531	1836	1843	1657
U S	12419	12956	17507	19784	21174	24905	25298	22603

SEE FOOTNOTES ON PAGE 51.

TABLE 38--ICE MILK, SOFT
 PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL	
	SEP	OCT	NOV	DEC	1980 PRODUCTION	1981 PRODUCTION
1,000 GALLONS						
ALA	329	265	231	184	3902	3612
ALAS					495	
ARK	209	187	161	161	2195	2399
CALIF	1556	1314	1325	1484	18379	18500
COLO	389	357	293	261	4077	4580
CONN					2213	
DEL	9	8	7	6		109
FLA	914	861	767	788	10415	10506
GA	665	514	439	446	6203	6858
IDAHO	78	71	73	70		957
ILL	1467	1228	1052	861	14880	15945
IND	428	337	238	203	3795	4319
IOWA	311	226	147	131	4351	3269
KANS	265	206	152	161		2822
LA	308	308	258	266	3603	3905
MAINE	28	10	8	5		453
MD 2/	391	357	313	288	4628	4887
MASS	662	498	394	364	6546	7434
MICH	695	589	473	444	8748	9655
MINN	405	275	228	196	4536	4659
MISS	171	150	140	138	2144	2117
MO	529	472	372	340	5982	6299
MONT	72	46	55	60	894	815
N J	292	288	233	196	3608	3431
N Y	513	501	413	369	6494	6258
N C	498	428	353	290	5393	5790
N DAK	78	61	45	39	881	945
OHIO	1594	1229	998	864	19285	19200
OKLA	353	275	240	226	2597	3528
OREG	350	309	244	260	3704	4067
PA	785	659	601	495	9881	9696
S C	160	143	103	98	1475	1835
S DAK	43	29	23	18		524
TENN	200	174	136	128	2264	2378
TEX	833	794	675	655	9178	9923
UTAH	149	131	108	102	2078	1690
VA	324	302	255	222	3420	3638
WASH	568	492	442	442	5616	6311
W VA	161	141	101	60	2229	2010
WIS	323	230	184	184	5352	4607
WYO	56	47	32	33		611
OTHER 1/	1307	1133	941	882	18359	15912
U S	18468	15667	13253	12420	209800	216454

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

TABLE 39--MILK SHERBET 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	47	42	62	60	73	77	77	75
ARIZ	29	25	31	47	33	37	38	39
ARK	17	18	16	28	27	27	30	26
CALIF	312	350	401	376	447	552	674	460
COLO	35	37	44	45	52	56	68	47
FLA	88	96	162	148	154	169	175	160
GA	37	38	51	60	45	47	50	50
IDAHO	13	6	9	11	10	14	24	14
ILL	141	128	157	178	189	239	229	179
IND	59	59	74	74	100	98	130	101
IOWA	63	60	100	137	142	145	152	100
KANS	42	34	49	41	54	89	62	65
LA	23	33	43	43	43	55	54	45
MAINE						1	1	1
MD 2/	66	90	135	109	129	187	211	143
MASS	96	89	147	199	245	310	252	288
MICH	96	113	139	150	184	239	251	182
MINN	85	115	141	186	149	172	188	129
MISS	19	20	30	32	36	44	38	38
MO	77	87	86	116	128	144	144	117
MONT	2	8	6	7	9	8	3	11
NEBR	16	18	32	44	45	47	40	47
N H								
N J	16	18	22	26	28	45	55	42
N Y	124	150	216	166	247	289	326	345
N C	80	84	95	113	130	135	146	180
N DAK	8	9	11	11	8	17	13	14
OHIO	157	168	280	306	287	324	402	317
OKLA	22	47	34	56	31	70	52	57
OREG	36	40	32	48	34	79	43	50
PA	214	224	234	313	343	456	492	466
R I	2	2	3	3	5	5	7	5
S C	36	56	71	98	87	123	155	87
TENN	76	68	78	103	95	124	122	94
TEX	218	188	193	254	314	302	331	286
UTAH	35	39	46	46	53	58	65	56
VA	20	23	25	37	39	73	66	50
WASH	84	82	90	97	76	108	110	99
W VA	9	7	9	10	10	18	24	9
WIS	58	62	68	84	89	94	94	83
OTHER 3/	90	129	153	163	188	256	216	235
U S	2648	2862	3575	4025	4358	5333	5610	4792

SEE FOOTNOTES ON PAGE 53.

TABLE 39--MILK SHERBET 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL	
	SEP	OCT	NOV	DEC	1980 PRODUCTION	1981 PRODUCTION
1,000 GALLONS						
ALA	66	50	48	61	741	738
ARIZ	41	29	22	27	392	398
ARK	25	22	20	19	260	275
CALIF	465	329	260	325	5015	4951
COLO	29	36	23	42	520	514
FLA	154	129	115	128	1708	1678
GA	40	27	20	18	456	483
IDAHO	11	12	10	12		146
ILL	156	114	116	165	2199	1991
IND	84	94	65	101	1082	1039
IOWA	104	62	65	95		1225
KANS	38	38	35	41	565	588
LA	51	34	30	30	502	484
MAINE						3
MD 2/	95	73	48	68	1322	1354
MASS	107	122	115	119	1992	2089
MICH	135	118	97	113	1644	1817
MINN	120	121	115	108	1578	1629
MISS	34	22	25	20	380	358
MO	104	76	46	82	1316	1207
MONT	2	12	2	1	82	71
NEBR	30	36	23	43	269	421
N H					80	
N J	29	28	17	17	318	343
N Y	297	181	123	155	2271	2619
N C	108	78	87	71	1508	1307
N DAK	5	8	5	9	122	118
OHIO	249	190	163	207	2969	3050
OKLA	30	32	28	34	534	493
OREG	32	32	31	19	406	476
PA	314	212	210	258	3562	3736
R I	2	2	1	2	41	39
S C	107	97	67	78	1023	1062
TENN	86	69	63	53	1141	1031
TEX	290	247	189	189	2681	3001
UTAH	47	33	30	25	593	533
VA	17	18	14	18	468	400
WASH	110	97	55	79	1145	1087
W VA	10	12	6	10	188	134
WIS	60	52	61	56	872	861
OTHER 3/	148	100	92	112	3242	1882
U S	3832	3044	2542	3010	45187	45631

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

2/ INCLUDES DISTRICT OF COLUMBIA.

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

TABLE 40--MELLORINE TYPE PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

		1981							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 GALLONS									
FROZEN PRODUCT 1/									
ARK	20	24	28	37	37	40	46	44	
CALIF 3/	135	161	139	165	179	213	201	136	
ILL	53	51	70	77	88	115	98	74	
IOWA	57	58	80	74	65	83	71	73	
LA				2			2		
MO	30	20	31	91	51	52	60	42	
N Y									
OKLA	13	15	21	14	16	25	27	17	
OREG	23	12	22	16	17	17	19	14	
TEX	352	380	490	556	535	641	591	547	
OTHER 2/	62	68	82	83	83	99	95	87	
U S	745	789	963	1115	1071	1285	1210	1034	
MIX FOR									
FROZEN PRODUCT									
ARK	10	12	14	20	19	22	22	22	
CALIF 3/	76	94	71	99	111	137	121	96	
ILL	47	48	66	71	84	103	90	69	
IOWA	42	43	76	62	70	77	77	82	
LA				1			1		
MO	3	2	3	9	5	5	6	4	
OKLA	6	7	9	7	8	11	13	11	
OREG	11	6	11	8	9	8	10	7	
TEX	190	197	258	298	275	328	315	277	
OTHER 2/	25	30	30	32	34	31	25	25	
U S	410	439	538	607	615	722	680	593	

TABLE 41--OTHER FROZEN DAIRY PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

		1981							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 GALLONS									
CALIF	164	190	252	278	259	316	347	304	
COLO	7	3	9	17	11	20	30	9	
FLA									
ILL	31	40	46	48	62	49	50	53	
IND	23	16	44	63	98	48	79	57	
LA	3	6	8	12	11	17	14	10	
MO	4	3	5	8	6	7	9	7	
MASS	9	15	31	27	40	57	62	48	
MICH	12	28	47	39	54	90	72	62	
MINN	9	10	17	15	33	16	27	9	
OHIO	32	75	98	87	97	107	94	115	
OKLA	14	15	19	18	14	25	21	19	
PA	129	152	183	111	236	249	274	172	
TENN	12	9	18	17	36	42	24	28	
OTHER 2/	224	316	410	462	432	540	562	449	
U S	673	878	1187	1202	1389	1583	1665	1342	

SEE FOOTNOTES ON PAGE 55.

TABLE 40--MELLORINE TYPE PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 LBS	
FROZEN PRODUCT 1/								
ARK	17	38	26	21	6	393	6	378
CALIF 3/	129	134	99	53	9	2263	8	1744
ILL	73	56	58	44	4	912	5	857
IOWA	60	53	51	50	5	1238	4	775
LA							4	4
MO	31	40	21	10	5	487	4	479
N Y						18		
OKLA	19	17	11	9	7	241	6	204
OREG	14	15	10	11	4	203	4	190
TEX	524	433	294	299	25	6052	24	5642
OTHER 2/	73	70	58	58	11	1383	13	918
U S	940	856	628	555	76	13190	74	11191
MIX FOR FROZEN PRODUCT								
ARK	10	19	13	11	6	205	6	194
CALIF	91	95	71	62	9	1326	8	1124
ILL	67	53	52	41	10	750	10	791
IOWA	62	47	50	39	7	1370	8	727
LA							4	2
MO	3	4	2	1	5	103	4	47
OKLA	15	8	6	4	7	117	7	105
OREG	7	6	5	5	4	104	4	93
TEX	316	219	149	158	29	3112	28	2980
OTHER 2/	21	23	17	17	12	451	10	310
U S	592	474	365	338	89	7538	89	6373

TABLE 41--OTHER FROZEN DAIRY PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
CALIF	239	210	151	167			3	2877
COLO	6	2	4	2	3	108	3	120
FLA					3	132		
ILL	35	31	30	19	6	593	6	494
IND	45	54	7	80	3	546	3	614
LA	10	6	5	5	4	125	4	107
MD	4	6	3	5	3	564	4	67
MASS	19	11	10	7	5	443	5	336
MICH	26	27	19	17			6	493
MINN	13	10	7	8			2	174
OHIO	62	42	38	48			5	895
OKLA	14	10	13	7	4	244	3	189
PA	148	236	167	154	8	1153	8	2211
TENN	21	12	17	10	5	287	5	246
OTHER 2/	345	222	198	181	54	6083	47	4341
U S	987	879	669	710	98	10278	104	13164

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

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

3/ DESIGNATED AS "IMITATION ICE CREAM".

TABLE 42--WATER ICES 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	26	43	63	68	86	129	113	94
CALIF	244	203	322	327	316	421	455	404
COLO	18	35	32	41	61	78	156	55
FLA	30	54	118	63	104	151	110	106
ILL	34	64	78	56	98	89	103	70
IND	31	111	238	275	149	179	134	102
KANS								
LA	3	7	13	13	18	24	18	17
MD 3/	105	168	224	250	243	307	310	188
MISS	11	13	24	22	29	47	42	25
N J	2	4	6	27	26	32	35	18
N Y	63	73	202	390	481	595	704	641
N C	65	88	152	151	182	196	228	174
N DAK								
OHIO	96	210	272	199	264	366	393	224
OKLA	7	13	16	19	24	28	37	19
PA	54	86	103	163	226	325	297	238
TENN	17	42	48	62	71	74	100	58
TEX	89	112	171	186	200	324	281	222
UTAH	1	5	1	5	20	33	49	23
VA	1	3	4	7	7	9	17	6
WIS	200	163	232	307	221	268	346	192
OTHER 2/	535	646	774	933	1067	1290	1387	960
U S	1632	2145	3093	3564	3893	4965	5315	3836

SEE FOOTNOTES ON PAGE 57.

TABLE 42--WATER ICES 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	60	50	41	21	3	578	3	794
CALIF	316	280	171	83	12	3480	10	3542
COLO	18	17	12	11	5	415	5	534
FLA	105	42	55	51	6	1203	6	989
ILL	58	20	13	10	9	927	8	693
IND	88	40	65	89	5	1995	4	1501
KANS					3	214		
LA	13	5	6	8	5	210	5	145
MD 3/	88	20	18	76	6	1952	7	1997
MISS	25	16	16	10	5	330	5	280
N J	4	3	3	1	9	210	8	161
N Y	177	92	66	70	25	1846	26	3554
N C	118	96	72	47	12	1757	11	1569
N DAK 4/					1	562		
OHIO	134	58	45	63	12	2080	14	2324
OKLA	12	13	9	3	4	226	3	200
PA	92	46	38	39	14	2164	16	1709
TENN	34	26	10	13	7	640	7	555
TEX	194	142	69	67	12	1869	13	2057
UTAH	11	1	1	2	4	127	4	152
VA	3	6	6	8	4	86	4	77
WIS	125	52	54	81	5	2605	4	2241
OTHER 2/	560	286	189	231	52	7910	48	8858
U S	2235	1311	959	984	220	33386	211	33932

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

TABLE 43--ICE CREAM MIX
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	398	432	566	613	569	743	708	638
ARIZ	216	270	252	276	274	307	301	263
ARK	148	178	200	223	243	298	280	248
CALIF	3126	3269	3450	3754	4014	4874	5035	4500
COLO	340	364	399	438	436	524	539	479
CONN	508	409	913	860	637	939	833	926
FLA	1481	1345	1647	1553	1427	1641	1652	1583
GA	197	224	266	280	293	326	337	302
IDAHO	97	97	103	103	97	123	171	118
ILL	1299	1308	1537	1565	1667	1888	1982	1773
IND	560	758	857	699	793	993	1086	1039
KANS	311	317	317	394	398	393	409	414
LA	214	286	360	350	350	460	402	372
MAINE	9	9	13	14	18	27	35	31
MD 1/	541	725	846	820	724	883	940	775
MASS	1111	1471	1856	1706	1741	2176	2446	2386
MICH	1161	1157	1348	1454	1426	1842	1872	1676
MINN								
MISS	164	168	236	230	220	318	282	259
MO	519	550	659	659	694	808	820	800
MONT	63	55	95	91	77	106	107	100
NEBR	291	345	431	399	415	474	547	474
NEV	43	43	51	52	56	55	64	62
N H								
N J	539	544	682	809	924	1168	1256	1129
N MEX	97	140	150	138	155	209	166	151
N Y	1940	2210	2739	2540	3048	3922	4210	3840
N C	759	967	1165	1195	1146	1368	1588	1421
N DAK	81	92	93	97	90	118	121	111
OHIO	1473	1678	2103	2010	1982	2483	2514	2201
OKLA	336	305	443	437	453	517	538	401
OREG	320	325	386	379	399	468	482	459
PA	2237	2423	2976	3202	3173	3880	4198	3761
R I	32	28	44	36	44	50	64	44
S C	348	354	502	499	643	544	550	514
S DAK								
TENN	587	633	806	870	803	967	1044	872
TEX	1425	1563	1939	1867	1918	2525	2354	2206
UTAH	274	317	394	350	372	466	445	417
VA	340	382	449	462	465	541	626	573
WASH	606	578	719	611	676	869	855	885
W VA	84	75	98	100	99	117	121	108
WIS	683	733	939	864	870	1103	1148	1032
OTHER 2/	1702	2177	2213	2544	2402	2905	3084	2649
U S	26660	29704	35742	35543	36231	44418	46212	41992

SEE FOOTNOTES ON PAGE 59.

TABLE 43--ICE CREAM MIX
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
					1980		1981	
	SEP	OCT	NOV	DEC	PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	623	512	427	326	7	6219	7	6555
ARIZ	263	232	186	197	5	3085	5	3037
ARK	245	199	173	172	8	2333	8	2607
CALIF	4183	3634	3372	3376	37	44945	30	47087
COLO	420	432	303	334	13	4863	12	5008
CONN	612	682	700	723	10	9736	9	9342
FLA	1510	1371	1292	1198	15	17765	15	17700
GA	222	279	206	170	8	2944	8	3102
IDAHO	113	136	85	80			5	1323
ILL	1615	1400	1255	1311	27	19591	25	18600
IND	943	777	782	731	16	10570	15	10018
KANS	370	305	279	244	11	3980	11	4151
LA	406	318	243	296	15	4045	15	4057
MAINE	16	13	11	11			7	207
MD 1/	664	535	458	495	10	9038	10	8406
MASS	1992	1495	1434	1475	24	21492	21	21289
MICH	1500	1263	1105	1170	30	19080	30	16974
MINN					7	15384		
MISS	232	154	129	134	8	2517	7	2526
MO	657	617	525	525	15	8151	14	7833
MONT	90	69	58	54	11	984	9	965
NEBR	418	362	340	352	8	4646	7	4848
NEV	56	52	42	45	3	613	3	621
N H					5	647		
N J	1009	909	614	704	13	7785	12	10287
N MEX	163	142	99	133	3	1661	3	1743
N Y	3070	2563	2206	2710	49	31334	43	34998
N C	1152	1055	952	826	19	13554	17	13594
N DAK	93	84	75	71	9	1229	8	1126
OHIO	2149	1734	1543	1624	43	24053	43	23494
OKLA	458	378	293	308	14	4792	12	4867
OREG	360	318	311	314	15	3984	16	4521
PA	3186	2888	2683	2690	54	41001	51	37297
R I	40	46	40	29	7	517	6	497
S C	486	441	395	312	6	5399	6	5588
S DAK					4	541		
TENN	800	713	614	527	15	9592	14	9236
TEX	2141	1835	1498	1514	26	19466	25	22785
UTAH	373	351	285	301	12	4236	12	4345
VA	511	417	398	363	10	4996	9	5527
WASH	789	984	533	535	17	8782	17	8640
W VA	108	91	84	78	7	1155	7	1163
WIS	895	875	707	671	21	11002	23	10520
OTHER 2/	2478	2278	1930	2087	45	13102	44	28449
U S	37611	32939	28665	29216	682	420809	641	424933

1/ INCLUDES DISTRICT OF COLUMBIA.

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

TABLE 44--ICE MILK MIX 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	219	239	312	346	365	402	398	359
ARK	126	135	180	200	213	263	263	237
CALIF	1165	1219	1399	1571	1547	1829	1816	1583
COLO	206	208	274	310	314	425	429	384
CONN	13	55	46	57	92	99	107	107
FLA	621	640	839	821	788	879	776	805
GA	390	294	456	490	490	553	524	522
IDAHO	30	36	46	55	49	69	72	64
ILL	650	688	1050	1164	1264	1515	1584	1445
IND	136	188	296	324	368	432	462	394
IOWA	158	177	303	314	394	469	440	378
KANS	172	257	355	357	355	440	458	412
KY	115	111	170	215	226	288	285	252
LA	152	169	213	233	227	277	273	230
MAINE	4	3	3	12	29	31	41	34
MD 2/	150	185	220	245	279	338	339	302
MASS	300	323	525	612	720	959	1083	921
MICH	702	367	521	639	813	910	912	847
MINN								
MISS	105	117	173	180	159	240	193	181
MO	319	320	413	471	495	588	561	487
MONT	34	35	58	56	61	69	88	78
NEBR	118	172	198	214	244	308	300	263
NEV	50	51	58	59	58	46	46	46
N J	168	181	209	274	233	229	282	233
N Y	354	432	522	579	714	789	801	766
N C	414	434	572	690	692	817	869	735
N DAK	23	24	36	41	50	51	63	45
OHIO	619	772	1203	1468	1566	1897	1970	1635
OKLA	165	167	220	218	233	272	245	227
OREG	176	170	224	314	255	266	305	294
PA	301	384	538	567	781	883	911	798
S C	97	152	157	161	210	190	165	209
TENN	135	161	207	244	228	292	330	236
TEX	530	510	649	744	711	855	769	749
UTAH	107	119	142	142	156	212	212	188
VA	328	353	468	554	562	630	693	683
WASH	460	352	429	472	510	512	608	617
W VA	45	54	83	113	127	152	147	136
WIS	150	181	284	306	344	413	394	305
OTHER 3/	537	622	876	972	1110	1189	1317	1141
U S	10544	11057	14927	16804	18032	21078	21531	19328

SEE FOOTNOTES ON PAGE 61.

TABLE 44--ICE MILK MIX 1/
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
	SEP	OCT	NOV	DEC	1980		1981	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	335	290	237	189	14	4060	14	3691
ARK	201	181	154	154	9	2352	9	2307
CALIF	1518	1320	1188	1278	36	17619	32	17433
COLO	304	277	227	202	14	3318	13	3560
CONN	64	55	68	41	7	825	6	804
FLA	783	745	655	680	20	9984	19	9032
GA	518	399	343	348	16	5001	14	5327
IDAHO	50	45	46	44	4	531	4	606
ILL	1215	1011	863	710	32	12628	30	13159
IND	359	283	198	168	16	3773	15	3608
IOWA	333	241	157	140	25	4229	21	3504
KANS	364	282	211	220	16	3520	16	3883
KY	197	189	139	101	13	2178	12	2288
LA	198	198	166	171	19	2316	19	2507
MAINE	11	4	3	2	8	200	9	177
MD 3/	227	207	182	167			8	2841
MASS	653	493	386	362	14	7418	13	7337
MICH	532	454	360	340	29	6756	27	7397
MINN					7	4025		
MISS	153	133	124	122	17	1943	15	1880
MO	424	379	294	272	17	5388	16	5023
MONT	59	40	45	50	17	701	12	673
NEBR	193	154	120	107	8	1773	7	2391
NEV	50	31	32	35	3	711	3	562
N J	214	215	175	146	8	2979	7	2564
N Y	572	558	456	412	24	6888	25	6955
N C	612	529	439	356	19	6839	20	7159
N DAK	36	28	21	18	8	426	8	436
OHIO	1216	943	761	660	40	14592	43	14710
OKLA	254	199	173	163	14	2221	12	2536
OREG	241	214	169	180	16	2587	17	2808
PA	568	477	431	358	46	7045	43	6997
S C	160	143	104	98	9	1784	8	1846
TENN	210	182	142	134	14	3000	14	2501
TEX	660	630	537	519	34	7702	33	7863
UTAH	149	132	109	105	12	2039	10	1773
VA	542	507	426	368	12	5898	11	6114
WASH	517	448	404	404	20	5458	18	5733
W VA	94	73	52	36	6	1186	6	1112
WIS	207	165	113	110	20	3603	21	2972
OTHER 2/	881	701	573	526	36	8900	28	10445
U S	15879	13555	11283	10496	704	184396	658	184514

1/ INCLUDES MILKSHAKE MIX.

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

3/ INCLUDES DISTRICT OF COLUMBIA.

TABLE 45--MILK SHERBET MIX
PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	30	27	40	39	48	51	50	49
ARIZ	19	16	20	30	21	25	25	25
ARK	11	11	10	18	16	17	20	16
CALIF	163	162	205	187	216	300	346	235
COLO	23	25	28	30	36	39	44	31
FLA	57	64	99	90	97	107	113	102
GA	25	25	35	36	28	30	32	29
IDAHO	8	5	7	10	8	10	19	10
ILL	94	81	111	124	118	166	153	117
IND	34	36	44	42	56	70	93	74
KANS	28	22	31	26	36	57	38	42
LA	15	20	26	27	26	34	34	28
MD 1/	46	61	75	101	100	129	159	110
MASS	62	66	109	121	161	201	172	195
MICH	109	78	106	100	120	142	165	102
MINN								
MISS	12	13	20	21	23	30	24	24
MO	49	54	59	72	79	93	89	73
MONT	2	5	4	4	5	5	3	7
NEBR	10	11	20	28	29	29	26	30
N J	10	11	14	16	18	29	35	27
N Y	98	104	148	118	162	222	237	228
N C	56	61	66	77	84	95	105	123
N DAK	5	6	8	6	6	12	10	10
OHIO	111	114	178	196	190	213	256	203
OKLA	14	30	22	36	21	44	32	36
OREG	21	21	24	27	23	31	32	38
PA	135	141	149	201	232	302	326	289
R I	1	1	2	2	3	3	4	3
S C	20	36	46	62	55	81	95	56
TENN	48	46	49	67	62	81	79	62
TEX	131	119	123	152	186	199	216	169
UTAH	21	26	39	28	36	38	41	38
VA	10	15	16	22	24	43	40	32
WASH	57	51	61	62	49	71	74	64
W VA	13	4	6	6	6	9	11	8
WIS	37	37	44	53	57	73	59	53
OTHER 2/	158	201	256	317	313	377	367	316
U S	1743	1806	2300	2554	2750	3458	3624	3054

SEE FOOTNOTES ON PAGE 63.

TABLE 45--MILK SHERBET MIX
 PRODUCTION BY STATES, BY MONTHS, 1981 AND ANNUAL 1980 AND 1981

STATE	1981				ANNUAL			
					1980		1981	
	SEP	OCT	NOV	DEC	PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	43	32	31	33	6	483	6	473
ARIZ	24	19	14	17	3	249	3	255
ARK	16	12	11	11	5	156	5	169
CALIF	231	168	134	159	30	3331	25	2506
COLO	20	24	16	28	8	326	8	344
FLA	96	78	72	79	12	1090	11	1054
GA	25	21	14	12	7	291	7	312
IDAHO	9	10	8	8			3	112
ILL	97	76	74	114	21	1456	18	1325
IND	56	59	52	60	13	652	11	676
KANS	24	21	22	27	8	363	8	374
LA	31	22	22	17	11	309	11	302
MD 1/	67	48	34	33	8	638	8	963
MASS	85	88	82	77	17	1366	19	1419
MICH	88	77	69	71	21	1108	24	1227
MINN					5	887		
MISS	22	14	15	13	7	243	6	231
MO	68	51	23	55	14	836	13	765
MONT	2	7	1		8	49	7	45
NEBR	19	22	14	26	7	169	6	264
N J	18	17	11	12	7	183	7	218
N Y	199	99	78	92	27	1623	22	1785
N C	76	50	60	44	16	1009	15	897
N DAK	5	5	3	6	5	82	6	82
OHIO	160	123	109	120	33	1986	32	1973
OKLA	22	20	17	22	11	342	9	316
OREG	22	24	21	13	12	265	12	297
PA	202	141	142	160	38	2309	37	2420
R I	1	1	1	1	5	27	4	23
S C	68	61	42	59	5	628	5	681
TENN	54	46	41	35	12	746	12	670
TEX	176	145	122	106	23	1700	21	1844
UTAH	30	21	19	15	11	360	11	352
VA	11	12	9	12	7	297	4	246
WASH	73	66	35	46	12	740	11	709
W VA	6	7	4	5	4	93	5	85
WIS	44	31	36	34	18	564	18	558
OTHER 2/	241	170	169	206	42	2394	41	3091
U S	2431	1888	1627	1828	499	29350	471	29063

1/ INCLUDES DISTRICT OF COLUMBIA.

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

TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION, HARD AND SOFT, BY STATES, 1981

STATE	TOTAL FROZEN PRODUCTS 1/					ICE CREAM				ICE MILK 3/			
	PRODUCTION		AS % OF TOTAL		AS % OF TOTAL	PRODUCTION		AS % OF TOTAL		PRODUCTION		AS % OF TOTAL	
	TOTAL	HARD	SOFT	HARD		SOFT	HARD	SOFT	HARD	SOFT	HARD	SOFT	HARD
	1,000 GALLONS		PERCENT			1,000 GALLONS		PERCENT		1,000 GALLONS		PERCENT	
ALA	20,396	16,784	3,612	82	18	13,335		100		2,711	3,612	43	57
ALAS	2/	2/	2/	2/	2/	2/	2/	2/		2/	2/	2/	2/
ARIZ	2/	2/	2/	2/	2/	6,173		100		2/	2/	2/	2/
ARK	9,063	6,636	2,427	73	27	5,026		100		985	2,399	29	71
CALIF	129,244	110,744	18,500	86	14	94,150		100		9,899	18,500	35	65
COLO	15,770	11,190	4,580	71	29	9,808		100		868	4,580	16	84
CONN	2/	2/	2/	2/	2/	19,064	753	96	4	2/	2/	2/	2/
DEL	2/	2/	2/	2/	2/					2/	2/	2/	2/
FLA	50,589	37,933	12,656	75	25	32,239	2,083	94	6	4,083	10,506	28	72
GA	14,401	7,316	7,085	51	49	6,053	227	96	4	780	6,858	10	90
HAW	2/	2/	2/	2/	2/	2/				2/	2/	2/	2/
IDAHO	4,441	3,484	957	78	22	3,069		100		269	957	22	78
ILL	56,949	39,637	17,312	70	30	35,181	606	98	2	2,369	15,945	13	87
IND	2/	2/	2/	2/	2/	21,672		100		2,250	4,319	34	66
IOWA	2/	2/	2/	2/	2/	2/		2/		2/	2/	2/	2/
KANS	2/	2/	2/	2/	2/	7,983	278	97	3	2/	2/	2/	2/
KY	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
LA	13,141	9,191	3,950	70	30	8,201	45	99	1	502	3,905	11	89
MAINE	2/	2/	2/	2/	2/	466	27	95	5	2/	2/	2/	2/
MD 4/	24,030	18,736	5,294	78	22	16,321	402	98	2	1,066	4,887	18	82
MASS	55,455	46,437	9,018	84	16	41,711	1,482	97	3	2,739	7,434	27	73
MICH	2/	2/	2/	2/	2/	31,717	329	99	1	1,888	9,655	16	84
MINN	2/	2/	2/	2/	2/	33,772		100		604	4,659	11	89
MISS	8,291	6,162	2,129	74	26	4,954	12	100		850	2,117	29	71
MO	28,208	20,344	7,864	72	28	15,396	1,139	93	7	3,688	6,299	37	63
MONT	2/	2/	2/	2/	2/	1,864	44	98	2	148	815	15	85
NEBR	2/	2/	2/	2/	2/	2/	2/	2/		2/	2/	2/	2/
NEV	2/	2/	2/	2/	2/	1,123	89	93	7	2/	2/	2/	2/
N H	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
N J	19,611	10,427	9,184	53	47	10,025	5,745	64	36	67	3,431	2	98
NEW MEX	2/	2/	2/	2/	2/	3,473	30	99	1	2/	2/	2/	2/
N Y	75,519	60,772	14,747	80	20	55,361	8,376	87	13	2,905	6,258	32	68
N C	38,353	32,563	5,790	85	15	26,304		100		4,952	5,790	46	54
N DAK	3,419	2,474	945	72	28	2,256		100		100	945	10	90
OHIO	71,844	52,412	19,432	73	27	46,654	96	100		2,844	19,200	13	87
OKLA	14,965	11,324	3,641	76	24	9,576	87	99	1	1,077	3,528	23	77
OREG	14,349	10,238	4,111	71	29	9,025	44	100		547	4,067	12	88
PA	89,035	76,474	12,561	86	14	68,564	2,757	96	4	4,282	9,696	31	69
R I	2/	2/	2/	2/	2/	1,063	2	100		2/	2/	2/	2/
S C	15,850	14,015	1,835	88	12	10,463		100		2,490	1,835	58	42
S DAK	2/	2/	2/	2/	2/	2/		2/		2/	2/	2/	2/
TENN	24,300	21,665	2,635	89	11	17,852	243	99	1	2,786	2,378	54	46
TEX	65,600	53,975	11,625	82	18	43,790	780	98	2	2,464	9,923	20	80
UTAH	11,359	9,645	1,714	85	15	8,459	16	100		661	1,690	28	72
VT	2/	2/	2/	2/	2/	258	59	81	19	2/	2/	2/	2/
VA	15,268	11,336	3,932	74	26	10,371	294	97	3	565	3,638	13	87
WASH	26,323	19,255	7,068	73	27	15,779	726	96	4	2,420	6,311	28	72
W VA	4,943	2,933	2,010	59	41	2,450		100		349	2,010	15	85
WIS	27,820	22,407	5,413	81	19	20,097	764	96	4	1,491	4,607	24	76
WYO	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
OTH STS 2/	232,038	185,399	46,639	80	20	32,729	881	97	3	9,356	23,700	28	72
U S	1,180,574	931,908	248,666	79	21	803,827	28,416	97	3	75,055	216,454	26	74

SEE FOOTNOTES ON PAGE 65.

TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION, HARD AND SOFT, BY STATES, 1981

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	738		100								100	
ALAS											100	
ARIZ	398		100								100	
ARK	267	8	97	3	358	20	95	5			99	1
CALIF	4,951		100		1,744		100				100	
COLO	514		100								100	
CONN	2/	2/	2/						23		77	
DEL											100	
FLA	1,611	67	96	4					16		83	1
GA	483		100						3		97	
HAW	2/		2/		2/		2/				100	
IDAHO	146		100								100	
ILL	1,991		100		96	761	11	89	4		92	4
IND	954	85	92	8		2/	2/	2/			94	2
IOWA	2/		2/		2/		2/				100	4
KANS	579	9	98	2					9		91	
KY	2/	2/	2/	2/		2/		2/	18		80	1
LA	484		100		4		100		1		99	1
MAINE	3		100						6		94	
MD 4/	1,349	5	100						8		92	
MASS	1,987	102	95	5					16		83	1
MICH	1,620	197	89	11		2/		2/	3		94	2
MINN	1,315	314	81	19	2/		2/				94	6
MISS	358		100						1		99	
MO	1,174	33	97	3	86	393	18	82	15		80	5
MONT	71		100		2/		2/		5		95	
NEBR	421		100								100	
NEV	2/		2/			2/		2/	9		89	2
N H	2/	2/	2/	2/					12		87	1
N J	335	8	98	2					63		37	
N MEX	2/	2/	2/	2/		2/		2/	3		93	1
N Y	2,506	113	96	4					57		42	3
N C	1,307		100								100	
N DAK	118		100								100	
OHIO	2,914	136	96	4							99	1
OKLA	487	6	99	1	184	20	90	10	2		97	1
OREG	476		100		190		100		1		99	
PA	3,628	108	97	3					22		77	1
R I	39		100								100	
S C	1,062		100								100	
S DAK											100	
TENN	1,017	14	99	1	2/		2/		9		90	1
TEX	2,879	122	96	4	4,842	800	86	14	7		85	1
UTAH	525	8	98	2					1		99	7
VT	2/		2/						13		87	
VA	400		100						7		93	
WASH	1,056	31	97	3					10		90	
W VA	134		100								100	
WIS	819	42	95	5					14		85	1
WYO	2/	2/	2/	2/					2		98	
OTH STS 2/	3,067	40	99	1	1,339	354	79	21				
U S	44,183	1,448	97	3	8,843	2,348	79	21	11		87	1

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

TABLE 47--WHOLE MILK EQUIVALENT USED IN MANUFACTURED DAIRY PRODUCTS: CALCULATED QUANTITIES USED IN SPECIFIED PRODUCTS, ON A WHOLE MILK BASIS, BY STATES, 1981 ^{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						
CALIF	4,429,136	723,858	658,747			
COLO	115,775					
CONN				26,630		
DEL						
FLA						
GA						
IDAHO	328,966	962,664				
ILL	61,793		745,000			
IND	435,968	532,459				
IOWA	492,104	1,041,836				
KANS	423,736	260,355				
KY		360,653				
LA						
MAINE						
MD						
MASS						
MICH	994,066	219,742				
MINN	4,009,945	4,986,222				
MISS		101,920	1,726			
MO	846,309	577,576				
MONT	48,782					
NEBR		244,261	192,720			
NEV						
N H						
N J			110,327			
N MEX						
N Y	1,110,416	757,195	1,489,141		129,224	
N C						
N DAK	138,296	528,475				
OHIO	748,777	452,386	455,870	259,185		
OKLA						
OREG	328,743	374,141	615			
PA	1,557,684		413,243		108,365	
R I						
S C						
S DAK	215,706	604,759				
TENN	596,388	206,584				
TEX						
UTAH	186,705	657,895	229,631			
VT		263,852	353,852			
VA		57,402	10,824			
WASH	964,329	306,956	66,301			
W VA						
WIS	6,571,644	10,728,012	3,052,722		126,765	120,296
WYO						
U S 4/	27,806,477	26,211,555	10,271,382	1,669,200	475,138	163,690

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, 1981 ^{1/}

STATE	DRY WHOLE MILK	ICE CREAM AND OTHER FROZEN PRODUCTS	OTHER MILK PRODUCTS	TOTAL ^{2/}	DUPLICATIONS	NET TOTAL ^{3/}
1,000 POUNDS						
ALA		232,873		264,707	56,893	207,814
ALAS				7,151	1,146	6,005
ARIZ		129,833		565,566	19,249	546,317
ARK		92,107		401,585	26,524	375,061
CALIF		1,608,663	163,788	7,872,047	348,065	7,523,982
COLO		196,591		334,169	7,935	326,234
CONN		325,966		516,354	18,666	497,688
DEL				8,645	1,355	7,290
FLA		620,980		632,853	199,631	433,222
GA		150,166		270,219	27,156	243,063
HAW				50,314	18,582	31,732
IDAHO		57,374	3,994	1,671,517	111,322	1,560,195
ILL		597,065	107,771	1,642,017	192,923	1,449,094
IND		329,489	31,747	1,341,625	82,403	1,259,222
IOWA		269,180		2,605,087	169,377	2,435,710
KANS		161,621	22,473	907,223	29,328	877,895
KY		103,451		1,109,666	39,863	1,069,803
LA		152,382		201,668	9,755	191,913
MAINE		9,945		31,314	2,273	29,041
MD		267,854		976,306	87,435	888,871
MASS		714,132		756,033	193,744	562,289
MICH		533,709	43,626	1,920,868	70,761	1,850,107
MINN		475,261		9,982,254	436,409	9,545,845
MISS		90,219		279,482	11,192	268,290
MO		296,804	33,719	2,419,973	58,473	2,361,500
MONT		34,816	6,601	119,705	6,409	113,296
NEBR		161,594		1,178,108	89,610	1,088,498
NEV		26,704		27,916	975	26,941
N H		17,343		17,370	4,202	13,168
N J		268,447		379,101	30,824	348,277
N MEX		59,316	9,288	68,604	2,558	66,046
N Y		1,038,642	143,102	5,089,631	562,848	4,526,783
N C		466,878	6,767	716,441	192,206	524,235
N DAK		38,436	5,726	710,933	53,173	657,760
OHIO		799,103		2,796,408	171,544	2,624,864
OKLA		182,334	12,417	482,483	30,522	451,961
OREG		161,230	16,898	905,825	41,174	864,651
PA		1,109,673	57,521	4,036,083	128,494	3,907,589
R I				25,905	5,276	20,629
S C		183,566		183,902	74,638	109,264
S DAK		4,654		1,059,883	65,091	994,792
TENN		282,803	6,900	1,342,864	69,452	1,273,412
TEX		731,954	29,462	1,359,798	76,578	1,283,220
UTAH		149,375		1,233,237	136,523	1,096,714
VT		7,814		751,611	85,297	666,314
VA		178,434	13,791	538,363	48,931	489,432
WASH		303,918		1,673,915	46,426	1,627,489
W VA		51,114		52,283	1,651	50,632
WIS		318,356	616,172	21,536,824	1,151,522	20,385,302
WYO				111,366	9,100	102,266
U S ^{4/}	686,061	14,085,898	1,797,801	83,167,202	5,305,484	77,861,718

^{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, 1981 1/

STATE	1,000 POUNDS						TOTAL <u>3/</u>
	COTTAGE CHEESE CURD	SWEETENED CONDENSED SKIM MILK, BULK	UNSWEETENED CONDENSED SKIM MILK, BULK	BUTTER- MILK	NONFAT MILK <u>2/</u>	OTHER PRODUCTS	
ALA	13,438						13,438
ALAS							
ARIZ							159,137
ARK							5,519
CALIF	609,225		368,952	50,424	2,917,783		3,983,098
COLO	83,263						83,263
CONN							183,221
DEL							
FLA							
GA							
IDAHO	15,100						
ILL	179,850						179,850
IND	106,475						532,629
IOWA	71,594						1,214,653
KANS	77,763						409,909
KY							172,994
LA							125,914
MAINE							100,836
MD <u>4/</u>							618,010
MASS							176,944
MICH	143,350		208,857	23,265	835,692		1,211,164
MINN				75,438	2,046,759		2,211,926
MISS							
MO	118,700		52,785				344,964
MONT	25,725						25,725
NEBR	23,169						259,614
NEV							
N H							
N J							
N MEX	32,694						32,694
N Y	609,888		181,509		627,231		1,476,312
N C	22,725						22,725
N DAK	24,219			5,885	62,612		92,716
OHIO	299,188				436,711		832,199
OKLA	42,669						276,330
OREG	58,638						213,434
PA	258,063		174,981		638,880		1,087,920
R I							
S C							
S DAK					451,209		491,224
TENN	24,756						229,055
TEX	98,913						209,680
UTAH	37,638				55,770		94,443
VT	68,956						312,917
VA	51,419						201,526
WASH	140,325						939,018
W VA							
WIS	254,863	114,861	280,503	163,284	1,584,869	93,567	2,491,947
OTH STS							
U S <u>5/</u>	4,047,140	138,021	1,978,923	481,954	14,543,276	170,856	21,374,261

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, 1971-81

YEAR	TOTAL	PERCENTAGE DISTRIBUTION					TOTAL
		BUTTER	ALL WHOLE MILK AND PART SKIM CHEESE	EVAPORATED, DRY AND CONDENSED MILK	ICE CREAM AND OTHER FROZEN PRODUCTS	OTHER MILK PRODUCTS	
	MILLION POUNDS	PERCENT					
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
1980	74,085	30.8	45.8	3.7	16.1	3.6	100.0
1981	77,862	31.6	46.8	3.0	15.4	3.2	100.0

TABLE 50--SKIM MILK EQUIVALENTS OF CERTAIN SKIM-MILK AND BUTTERMILK PRODUCTS, UNITED STATES, 1971-81

YEAR	FULL-SKIM AMERICAN CHEESE	COTTAGE CHEESE CURD	CONDENSED AND EVAPORATED SKIM MILK	NON FAT DRY MILK	CONDENSED AND DRIED BUTTERMILK	TOTAL
	MILLION POUNDS					<u>1/</u>
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	<u>2/</u>	4,310	2,195	11,281	547	18,334
1975	<u>2/</u>	4,381	2,278	11,103	546	18,389
1976	<u>2/</u>	4,445	2,349	10,253	578	17,720
1977	<u>2/</u>	4,278	2,563	12,260	677	19,777
1978	<u>2/</u>	4,303	2,317	10,196	642	17,458
1979	<u>2/</u>	4,150	2,243	10,063	614	17,070
1980	<u>2/</u>	4,158	2,195	12,844	482	19,847
1981	<u>2/</u>	4,047	2,179	14,543	605	21,374

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

TABLE 51--NUMBER OF DAIRY PLANTS MANUFACTURING ONE OR MORE DAIRY PRODUCTS, 1977-81

STATE	1977	1978	1979	1980	1981
ALA	23	23	21	19	19
ALAS	3	2	2	2	2
ARIZ	15	14	13	13	12
ARK	14	14	14	14	13
CALIF	275	271	269	263	259
COLO	33	34	28	28	26
CONN	40	41	38	35	33
DEL	2	2	2	1	1
FLA	27	24	24	24	24
GA	23	23	21	20	21
HAW	5	5	5	5	5
IDAHO	30	26	26	25	24
ILL	102	92	88	86	77
IND	51	47	41	41	42
IOWA	58	61	55	56	62
KANS	30	30	30	30	27
KY	41	36	36	34	30
LA	28	25	26	25	25
MAINE	24	24	21	19	18
MD 1/	21	19	19	19	19
MASS	58	59	52	47	46
MICH	77	73	69	65	64
MINN	109	99	96	88	83
MISS	24	24	22	23	22
MO	49	46	42	42	44
MONT	24	22	20	19	19
NEBR	36	31	30	28	24
NEV	3	3	3	3	3
N H	15	12	11	9	6
N J	31	30	31	34	33
N MEX	5	5	5	5	4
N Y	185	174	176	164	147
N C	27	26	26	25	24
N DAK	33	32	26	24	21
OHIO	118	114	112	107	98
OKLA	24	21	20	20	18
OREG	29	28	26	26	26
P A	129	121	120	104	96
R I	19	17	13	13	12
S C	10	12	11	9	9
S DAK	33	29	27	27	25
TENN	39	39	34	31	33
TEX	58	48	47	46	49
UTAH	22	23	23	23	27
VT	24	25	22	21	23
VA	24	21	22	19	22
WASH	37	38	37	34	34
W VA	12	11	10	10	10
WIS	468	455	429	425	419
WYO	12	10	9	7	7
U S	2,589	2,461	2,350	2,257	2,187

1/ INCLUDES DISTRICT OF COLUMBIA.

The data for manufactured dairy products in 1981, given in this report, were compiled from reports made by dairy manufacturers direct to the United States Department of Agriculture and through the co-operating State agencies shown below:

<u>STATE</u>	<u>AGENCY</u>	<u>COLLABORATOR OR COOPERATING STATE OFFICIAL</u>
Alabama	State Department of Agriculture and Industries	McMillan Lane, Commissioner
Alaska	Department of Natural Resources, Division of Agriculture	Demonic L. Carney, Director
Arkansas	University of Arkansas	John W. Goodwin, 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	Larry A. Werries, Director
Indiana	Agricultural Experiment Station Creamery License Division	Scott Alexander, 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 Odom, Commissioner
Michigan	State Department of Agriculture Food & Dairy Division	Kenneth D. Feighner, Asst. Acting Chief/Dairy
Minnesota	State Department of Agriculture	Mark Seetin, Commissioner
Mississippi	State Department of Agriculture and Commerce	Jim Buck Ross, Commissioner
Missouri	State Department of Agriculture	James B. Boillot, Director
Nebraska	State Department of Agriculture	Bert J. Garvin, 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 Grady Cooper, Jr., Exec. Secy.
North Carolina	State Milk Commission	Philip Park, Dairy Commissioner
North Dakota	State Department of Agriculture Dairy Division	John M. Stackhouse, Director
Ohio	State Department of Agriculture	George Parker, Director
Oklahoma	State Department of Agriculture Marketing Industry Division	W. C. Godley, Director
South Carolina	Agricultural Experiment Station Clemson University	Wm. Walker, Commissioner
Tennessee	Tennessee Department of Agriculture	Reagan V. Brown, Commissioner
Texas	Texas Department of Agriculture	Archie S. Hurst, Director
Utah	Division of Food and Consumer Services, Utah Department of Agriculture	Dr. G. B. Estes, State Veterinarian
Virginia	Virginia Department of Agriculture and Consumer Services, Division of Animal Health and Dairies	M. Keith Ellis, Director
Washington	State Department of Agriculture	Gus R. Douglass, Commissioner
West Virginia	State Department of Agriculture	Laverne G. Ausman, Secy.
Wisconsin	State Department of Agriculture Trade and Consumer Protection	John Orten, Commissioner
Wyoming	State Department of Agriculture	

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