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# **DAIRY PRODUCTS**

## **ANNUAL SUMMARY 1980**



Crop  
Reporting  
Board

**Economics and  
Statistics Service**

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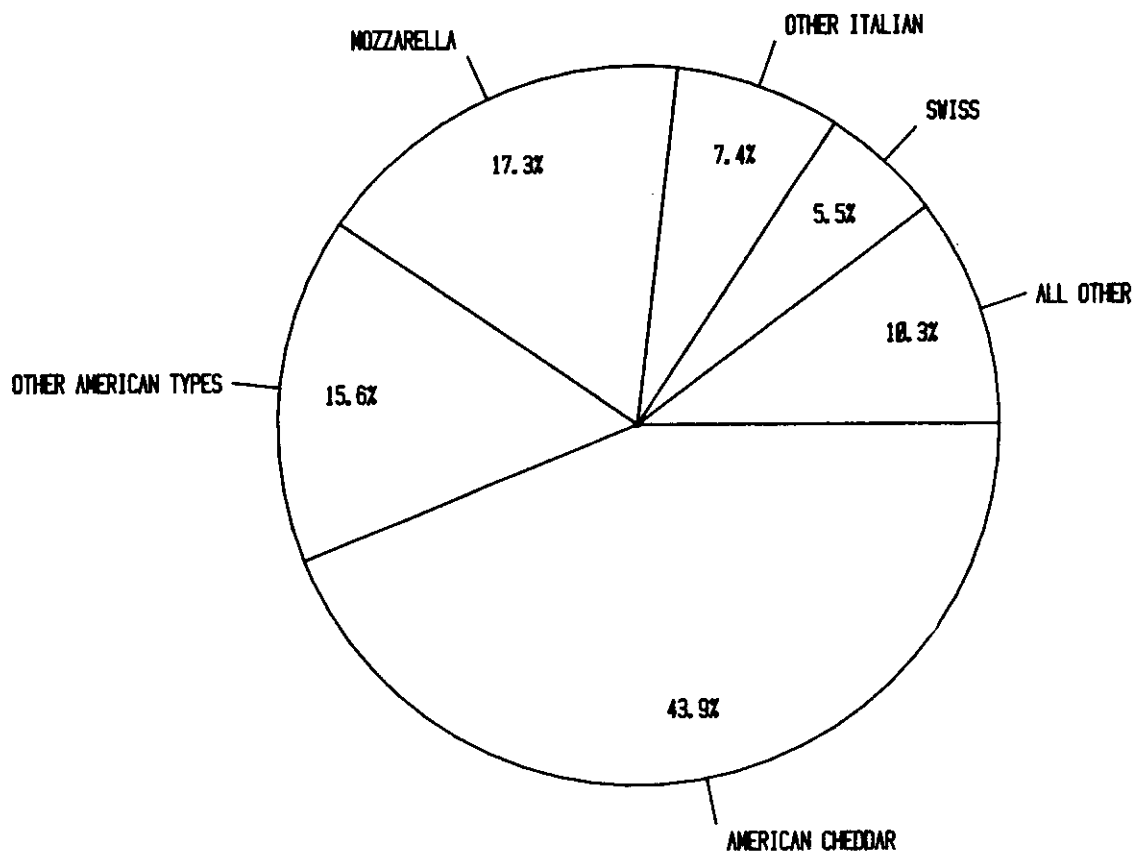
BUTTER PRODUCTION HIGHER IN 1980

Production of butter in the United States during 1980 totaled 1.15 billion pounds, 16 percent above the 1979 production. Wisconsin, the leading producing State, accounted for 25 percent of the total. California produced 16 percent, followed closely by Minnesota with 14 percent.

CHEESE OUTPUT UP 7 PERCENT

Total cheese production, excluding cottage cheese, continued its upward trend in 1980, reaching a record high 3.98 billion pounds, 7 percent above 1979. The largest percentage increase was registered in American cheese. Wisconsin was the leading producing State with 37 percent, followed by Minnesota with 13 percent, and New York with 8 percent.

CHEESE PRODUCTION 1980



American type cheese production at 2.37 billion pounds, up 8 percent from 1979, accounted for 60 percent of the total cheese production in 1980. Cheddar increased 10 percent to 1.75 billion pounds and other American varieties showed a 6 percent increase.

Italian varieties continued their steady increase to a record high 983 million pounds, 6 percent above the 1979 production. Mozzarella accounted for 70 percent of the Italian varieties, followed by Ricotta with 11 percent, Provolone 10 percent, and Parmesan 6 percent. Wisconsin was by far the leading producer with 32 percent of all Italian cheese production.

#### TOTAL COTTAGE CHEESE UP SLIGHTLY

Creamed cottage cheese totaled 823 million pounds, down 2 percent from 1979, but lowfat cottage cheese was up 13 percent to 178 million pounds.

#### FROZEN DAIRY PRODUCTS

Ice cream production totaled 830 million gallons, up 2 percent from the 811 million gallons produced in 1979. Ice milk declined 1 percent to 293 million gallons. Milk sherbet showed a slight increase while other frozen dairy products declined 15 percent. Mellorine production was down 16 percent from 1979.

The 243 million gallons of soft ice cream, ice milk, milk sherbet, and mellorine made during 1980 accounted for 21 percent of the total frozen dairy products. Ice milk with 211 million gallons 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 SHARPLY

Nonfat dry milk for human food production at 1.16 billion pounds was up 28 percent from 1979. Dry skim milk for animal feed amounted to 6.94 million pounds, up 13 percent from the 1979 production. Dry buttermilk production declined 2 percent to 43.9 million pounds. Dry whole milk at 82.7 million pounds was down 3 percent.

#### WHOLE MILK USED FOR DAIRY PRODUCTS

Manufactured dairy products used 58.8 percent of all milk marketed in the United States during 1980 compared with 56.6 percent in 1979. Whole milk used for manufacturing products based on milk-fat content totaled 74.1 billion pounds, 10 percent more than the previous year.

The equivalent whole milk used for butter production in 1980 (excluding butter made from whey cream) totaled 22.8 billion pounds. Butter accounted for 31 percent of the total milk used for all products during 1980 compared with 29 percent a year earlier.

Whole milk used for cheese (excluding creamed cottage cheese), totaled 33.9 billion pounds, up from the 31.5 billion pounds in 1979. Whole milk used for cheese production utilized 45.8 percent of all milk used for manufactured dairy products, down 1 percentage point from 1979.

TABLE 1: MILK MARKETINGS AND UTILIZATION FOR MANUFACTURED DAIRY PRODUCTS, UNITED STATES, 1961-80

YEAR	MILK MARKETED		YEAR	MILK MARKETED	
	TOTAL	USED FOR DAIRY PRODUCTS		TOTAL	USED FOR DAIRY PRODUCTS
	MIL LBS	PERCENT		MIL LBS	PERCENT
1961	117,325	54.2	1971	114,814	53.7
1962	118,587	54.1	1972	116,487	53.5
1963	118,144	53.0	1973	112,141	52.3
1964	120,478	53.6	1974	112,385	54.6
1965	118,206	52.3	1975	112,337	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	56.6
1970	112,999	53.1	1980	126,086	58.8

WHOLE MILK USED IN MANUFACTURING

DAIRY PRODUCTS

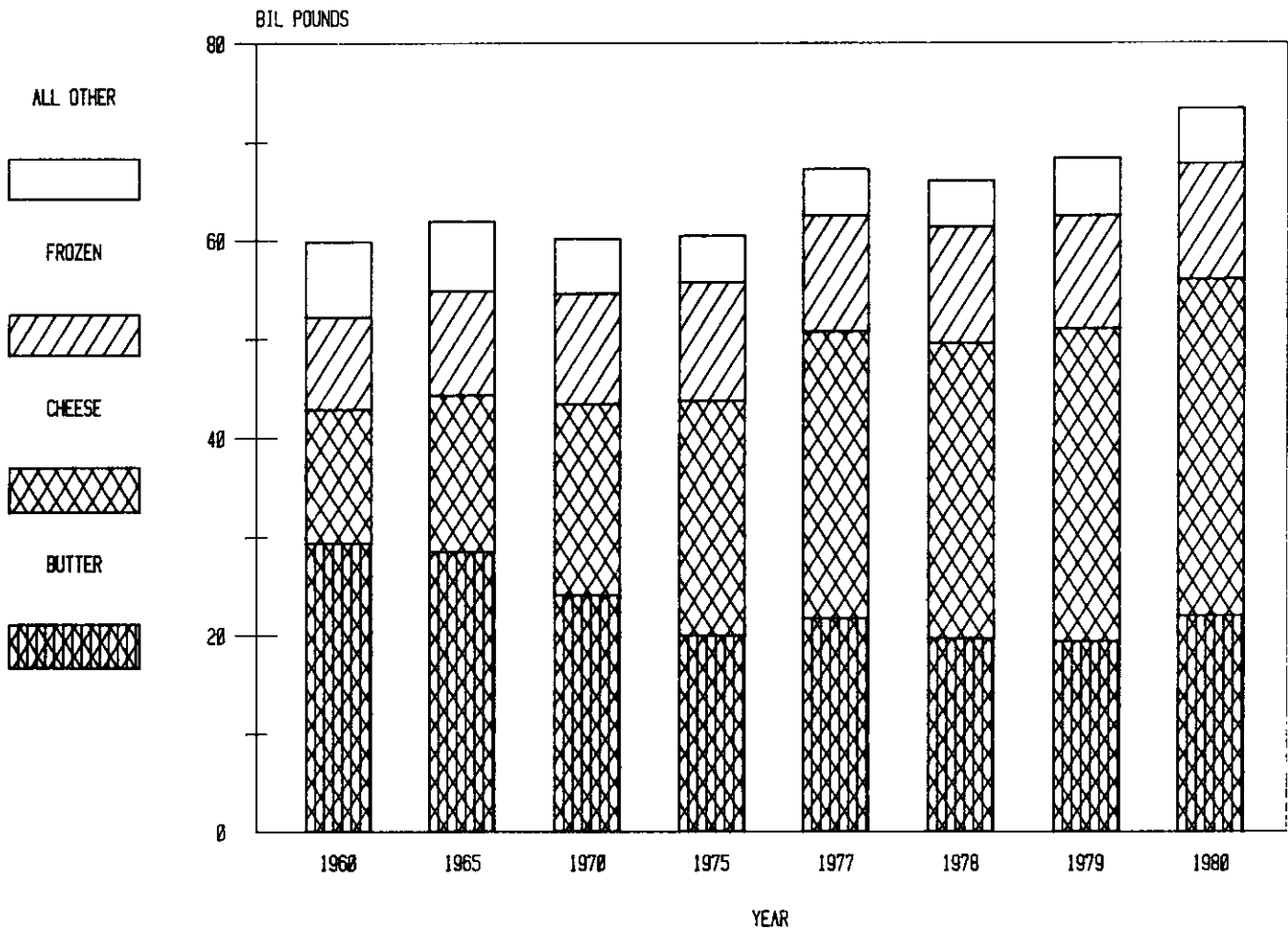


TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1979, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
NUMBER	1,000 POUNDS						
BUTTER	276	9A435	86714	89773	92356	99212	82991
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	406	123843	120194	135907	141961	154657	155490
OTHER AMERICAN 1/	225	49639	43491	50517	50878	56085	54474
TOTAL AMER.	487	173482	163685	186424	192839	210742	209964
PART SKIM	3	334	332	337	342	218	252
SWISS	66	17744	16256	17281	18000	20025	20616
MUNSTER	64	5145	4187	4793	5238	5920	5471
BRICK	52	1356	1097	1247	1220	1192	1264
LIMBURGER	3	126	117	164	173	127	121
ITALIAN VARIETIES:							
MOZZARELLA	146	50964	46777	55163	54455	56250	54637
OTHER ITALIAN	126	24192	22536	26848	25802	25172	25496
TOTAL ITALIAN:	185	75156	69313	82011	80257	71422	80133
CREAM	21	11436	9930	22799	13369	12609	17627
NEUFCHATEL	4	466	559	790	617	636	239
BLUE 2/	10	3093	2745	2973	2814	3022	3031
ALL OTHER TYPES 3/	81	4594	4217	4432	4123	4663	5333
TOTAL CHEESE 4/	754	292932	272438	323251	318992	340576	344051
COTTAGE CHEESE:							
CURD 5/	288	54307	52061	62236	56693	61767	58474
CREAMED 6/	281	67827	64900	77739	70257	77232	73716
LOWFAT 7/	155	12448	12056	14836	13405	14766	13601
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	21	59104	58211	64925	72183	81936	80338
EVAPORATED SKIM	7	1539	1326	1243	824	1459	683
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	11	6279	5781	7296	7478	7190	7054
UNSWEETENED	29	11558	11154	12559	13932	14004	20661
SKIM							
SWEETENED	7	3845	4028	4526	3905	4026	3984
UNSWEETENED	94	49721	47302	54366	58808	65816	65206
CONDENSED OR							
EVAPORATED							
BUTTERMILK	12	3840	3900	3942	3177	3578	3839
DRY MILK:							
DRY WHOLE MILK	21	7114	5510	7954	9532	8272	7775
NONFAT DRY MILK							
FOR HUMAN FOOD	112	51409	53916	75456	89763	108500	112014
DRY SKIM MILK							
FOR ANIMAL FEED:	75	249	426	374	670	626	748
DRY BUTTERMILK	61	4728	4064	4460	4120	4523	4505

SEE FOOTNOTES ON PAGE 7.

TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1979, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
BUTTER	72523	64300	60494	78006	75754	84046	984604
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	142293	130916	121366	125971	117836	126892	1597326
OTHER AMERICAN 1/	50840	49431	46447	48514	43615	48642	592573
TOTAL AMER.	193133	180347	167813	174485	161451	175534	2189899
PART SKIM	434	419	223	518	436	550	4395
SWISS	20024	18685	16404	16162	15395	16691	213283
MUNSTER	5461	5545	4877	5452	5241	6281	63611
BRICK	1146	1177	1105	1195	1210	1176	14385
LIMBURGER	116	145	116	133	94	130	1562
ITALIAN VARIETIES:							
MOZZARELLA	53492	54020	48979	54057	50691	53930	633415
OTHER ITALIAN	23649	24471	22735	24970	23481	26323	295675
TOTAL ITALIAN	77141	78491	71714	79027	74172	80253	929090
CREAM	13135	15791	21345	23181	24735	21113	207070
NEUFCHATEL	244	519	237	327	254	330	5222
BLUE 2/	3126	3095	2752	2797	2652	2528	34628
ALL OTHER TYPES 3/	4831	4863	4165	4797	3920	4158	54096
TOTAL CHEESE 4/	318795	309077	290751	308074	289560	308744	3717241
COTTAGE CHEESE:							
CURD 5/	56355	57807	53135	56904	50687	48120	668546
CREAMED 6/	72451	73782	66451	71223	63938	60219	839735
LOWFAT 7/	13756	14006	12998	13474	11982	11055	158383
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	71861	67703	62203	59786	58608	59218	796076
EVAPORATED SKIM	922	1406	1234	1042	1061	1436	14175
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	5764	8473	7156	7884	6274	4654	81283
UNSWEETENED	11582	14086	12765	15040	10286	10253	157880
SKIM							
SWEETENED	3439	4265	4252	4171	3166	2920	46527
UNSWEETENED	68549	67696	59844	53212	48150	50530	689200
CONDENSED OR							
EVAPORATED							
BUTTERMILK	2761	2697	2588	2472	4261	3834	40889
DRY MILK:							
DRY WHOLE MILK	6574	7628	5553	5716	7305	6387	85320
NONFAT DRY MILK							
FOR HUMAN FOOD	95378	79844	55944	58278	56345	71866	908713
DRY SKIM MILK							
FOR ANIMAL FEED:	748	520	418	522	367	461	6129
DRY BUTTERMILK	3494	2746	2854	2590	2962	3625	44671

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, 1980

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	81630	78796	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	336649	360539	359860
COTTAGE CHEESE:							
CURD 5/	269	54771	54738	57722	57672	58361	55699
CREAMED 6/	263	68801	68578	72598	71062	72931	69145
LOWFAT 7/	151	13522	14329	14725	15392	16895	15442
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	93	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 9.



TABLE 3--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1980

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1979
1,000 POUNDS								
BUTTER	83699	75278	77033	91379	84731	103584	1145254	116.3
CHEESE TYPES:								
AMERICAN VARIETIES:								
CHEDDAR	154639	138517	129004	135894	130714	149151	1749560	109.5
OTHER AMERICAN 1/	53677	54428	50806	50683	46020	55614	625059	105.5
TOTAL AMER.	208316	192945	179810	186577	176734	204765	2374619	108.4
PART SKIM	283	341	425	796	757	626	5381	122.4
SWISS	19720	19252	17589	17716	16575	17948	219940	102.7
MUNSTER	5793	6056	5321	5918	5751	6465	69982	110.0
BRICK	1175	1563	1342	1365	1326	1505	15373	106.9
LIMBURGER	127	135	136	152	67	181	1564	100.1
ITALIAN VARIETIES:								
MOZZARELLA	52636	54018	59598	60863	58264	63101	688565	108.7
OTHER ITALIAN	22027	21457	23165	24662	23722	27260	294166	99.5
TOTAL ITALIAN:	74663	75475	82763	85525	81986	90361	982731	105.8
CREAM	14064	14083	21675	26320	26864	24885	224253	108.3
NEUFCHATEL	302	396	257	70	352	442	4334	83.0
BLUE 2/	2927	2331	2766	2637	2660	2672	33043	95.4
ALL OTHER TYPES 3/	5300	5011	4897	5062	4154	4571	52909	97.8
TOTAL CHEESE 4/	332669	317588	316981	332138	317226	354421	3983129	107.2
COTTAGE CHEESE:								
CURD 5/	59698	57102	56096	55258	49906	48316	665339	99.5
CREAMED 6/	74533	70476	69856	67617	59361	57644	822602	98.0
LOWFAT 7/	16126	15773	15150	15457	12877	12630	178318	112.6
CANNED MILK:								
EVAPORATED AND COND. WHOLE 8/	65445	57265	55908	51496	50282	60721	724665	91.0
EVAPORATED SKIM	720	1200	1333	2036	1563	1783	15793	111.4
BULK CONDENSED MILK:								
WHOLE								
SWEETENED	4824	5177	6082	6330	5596	5881	63763	78.4
UNSWEETENED	13731	15060	15154	12945	13291	12539	156406	99.1
SKIM								
SWEETENED	3308	3827	5300	3954	2846	3200	45681	98.2
UNSWEETENED	63554	60730	57292	51978	45699	51161	685881	99.5
CONDENSED OR EVAPORATED BUTTERMILK	4035	3116	2740	2883	3112	3174	40016	97.9
DRY MILK:								
DRY WHOLE MILK	7161	6316	6354	7961	7425	6938	82712	96.9
NONFAT DRY MILK FOR HUMAN FOOD	122063	104029	77337	72773	69121	89583	1160691	127.7
DRY SKIM MILK FOR ANIMAL FEED:								
837	610	478	558	391	464	6944	113.3	
3012	2379	2430	3310	3056	4010	43875	98.2	

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, 1979, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	990	55244	56154	69753	67515	73510	80203
ICE MILK 1/ 2/	604	16883	17665	25432	25572	30611	32718
MILK SHERBET 1/	690	2934	2575	3646	3964	4426	5115
OTHER FROZEN							
DAIRY PRODUCTS 1/	108	592	737	1080	1297	1389	1506
MELLORINE TYPE							
FROZEN DESSERTS 1/	90	968	1165	1425	1405	1570	1672
WATER ICES 1/	235	1395	1977	2766	3130	4089	4734
MIX FOR PRODUCTS:							
ICE CREAM MIX	733	28093	28685	35158	34678	37875	41277
ICE MILK MIX 3/	754	9908	10351	15697	15879	19335	20598
MILK SHERBET MIX	529	1932	1679	2449	2609	2860	3372
MELLORINE MIX	106	558	678	807	778	904	922

SEE FOOTNOTES ON PAGE 11.

TABLE 5--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1979, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	23	6298	6668	4747	5386	6000	5874
ANIMAL FEED	11	2271	2963	2236	2241	2278	1976
ACID TYPE:							
HUMAN FOOD AND							
ANIMAL FEED	4	123	77	71	92	104	72
TOTAL COND.	34	8692	9708	7054	7719	8382	7922
DRY WHEY:							
HUMAN FOOD	59	44550	42640	46532	48625	50455	50906
ANIMAL FEED	83	18416	16023	19749	19961	21791	22428
TOTAL DRY	99	62966	58663	66281	68586	72246	73334
MODIFIED							
DRY WHEY PRODUCTS:							
PART DELACTOSED							
HUMAN FOOD	11	3501	3282	4115	3704	3878	3648
ANIMAL FEED	11	8131	8180	7554	7457	7605	7868
PART DEMINERALIZE:							
HUMAN FOOD	3	3307	2746	3270	2283	2390	2725
ANIMAL FEED 2/							
PART DELACTOSED							
& DEMINERALIZED							
HUMAN FOOD	6	492	746	761	879	1023	932
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	17	8346	7028	8356	7942	8310	9785
ANIMAL FEED	3	291	747	1018	925	886	923
TOTAL LACTOSE:	19	8637	7775	9374	8867	9196	10708
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	15	3208	2824	3629	3709	3421	3086
ANIMAL FEED	9	8094	7397	7973	7820	7580	8017

SEE FOOTNOTES ON PAGE 11.

TABLE 4--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, 1979, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 GALLONS							
FROZEN PRODUCTS:							
ICE CREAM	79771	84110	70089	66972	55873	51885	811079
ICE MILK 2/	32571	33334	25837	22561	17799	15670	296653
MILK SHERBET	5083	4979	3720	3294	2717	2671	45124
OTHER FROZEN							
DAIRY PRODUCTS	1350	1367	1013	722	522	459	12034
MELLORINE TYPE							
FROZEN DESSERTS	1617	1637	1295	1198	981	741	15674
WATER ICES	4418	4005	1996	1616	1106	849	32061
MIX FOR PRODUCTS:							
ICE CREAM MIX	41433	42980	35610	33798	28019	25879	413485
ICE MILK MIX 3/	20676	21166	16250	14273	11308	10036	185477
MILK SHERBET MIX	3285	3290	2412	2188	1731	1681	29488
MELLORINE MIX	869	938	680	737	570	453	8894

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, 1979, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	5232	7471	6258	5580	6302	6378	72194
ANIMAL FEED	2674	2213	1769	2326	1467	2064	26478
ACID TYPE:							
HUMAN FOOD AND							
ANIMAL FEED	112	91	67	125	97	122	1153
TOTAL COND.	8018	9775	8094	8031	7866	8564	99825
DRY WHEY:							
HUMAN FOOD	47150	43519	39482	39000	36506	40089	529454
ANIMAL FEED	19742	16424	13890	12320	11362	11381	203487
TOTAL DRY	66892	59943	53372	51320	47868	51470	732941
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	3052	3044	3201	3050	3001	3152	40628
ANIMAL FEED	7799	7919	7901	8475	8195	9064	96148
PART DEMINERALIZE:							
HUMAN FOOD	1961	2511	2602	2282	2089	2268	30434
ANIMAL FEED 2/							
PART DELACTOSED							
& DEMINERALIZED							
HUMAN FOOD	994	934	606	790	713	718	9588
ANIMAL FEED 2/							
LACTOSE							
HUMAN FOOD	9110	8433	7785	8028	7843	7695	98661
ANIMAL FEED	925	950	895	785	1094	1099	10538
TOTAL LACTOSE	10035	9383	8680	8813	8937	8794	109199
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	2633	3562	2974	3783	3346	3187	39362
ANIMAL FEED	8407	7859	7764	10186	8964	8373	98434

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, 1980

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/		58244	60958	68379	69681	71888	79705
ICE MILK 1/ 2/		17460	18688	22938	25447	29193	31564
MILK SHERBET 1/		3021	2890	3477	3715	4268	5003
OTHER FROZEN							
DAIRY PRODUCTS 1/	98	503	584	811	1022	1158	1343
MELLORINE TYPE							
FROZEN DESSERTS 1/		813	989	1023	1235	1353	1490
WATER ICES 1/	220	1466	1892	2532	3191	4075	4942
MIX FOR PRODUCTS:							
ICE CREAM MIX	682	29454	30408	34275	35332	36989	41343
ICE MILK MIX 3/	704	10393	11066	14034	16132	18709	20128
MILK SHERBET MIX	499	2009	1895	2259	2452	2827	3221
MELLORINE MIX	89	477	507	500	711	804	853

SEE FOOTNOTES ON PAGE 13.

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1980

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 AND							
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 13.

TABLE 6--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, TO 1980

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1979
1,000 GALLONS								
FROZEN PRODUCTS:								
ICE CREAM	86878	83299	73973	66233	53199	57361	829798	102.3
ICE MILK 2/	33979	31363	26096	22254	16710	16857	292549	98.6
MILK SHERBET	5563	5033	3910	3000	2372	2935	45187	100.1
OTHER FROZEN DAIRY PRODUCTS	1435	1292	794	570	387	379	10278	85.4
MELLORINE TYPE								
FROZEN DESSERTS	1462	1313	1194	1030	617	671	13190	84.2
WATER ICES	5057	4147	2374	1711	994	1005	33386	104.1
MIX FOR PRODUCTS:								
ICE CREAM MIX	45049	42579	37558	33138	26202	28650	420977	101.8
ICE MILK MIX 3/	21796	20018	16558	14095	10587	10624	184140	99.3
MILK SHERBET MIX	3667	3275	2479	1933	1491	1842	29350	99.5
MELLORINE MIX	848	790	750	591	342	365	7538	84.8

1/ PLANT COUNT DOES NOT INCLUDE COUNTER-FREEZERS.

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

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1980

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1979
1,000 POUNDS								
CONDENSED WHEY SOLIDS CONTENT 1/								
SWEET TYPE:								
HUMAN FOOD	4283	5698	6543	6925	6039	5299	66932	92.7
ANIMAL FEED	986	1186	1047	1168	1399	2388	14447	54.6
ACID TYPE:								
HUMAN FOOD AND ANIMAL FEED	337	211	402	321	481	383	4322	374.8
TOTAL COND.	5606	7095	7992	8414	7919	8070	85701	85.9
DRY WHEY:								
HUMAN FOOD	44760	41595	38288	41399	40217	48031	535249	101.1
ANIMAL FEED	12148	11385	9104	11415	11973	13574	155796	76.6
TOTAL DRY	56908	52980	47392	52814	52190	61605	691045	94.3
MODIFIED DRY WHEY PRODUCTS								
PART DELACTOSED:								
HUMAN FOOD	3016	3143	3913	4507	4714	5348	46038	113.3
ANIMAL FEED	10378	8758	9717	8400	6583	6916	111956	116.4
PART DEMINERALIZE:								
HUMAN FOOD	2262	2297	2204	2932	3265	2576	30895	101.5
ANIMAL FEED 2/								
PART DELACTOSED & DEMINERALIZED								
HUMAN FOOD	219	242	193	193	185	247	3989	41.6
ANIMAL FEED 2/								
LACTOSE:								
HUMAN FOOD	8721	9422	9119	9046	8810	10305	117583	119.2
ANIMAL FEED	2019	1585	1739	1793	1280	1488	22594	214.4
TOTAL LACTOSE	10740	11007	10858	10839	10090	11793	140177	128.4
WHEY SOLIDS IN WET BLENDS								
HUMAN FOOD	2341	3314	3575	3353	2795	2882	37890	96.3
ANIMAL FEED	8293	8038	9170	10436	9885	9816	106176	107.9

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--BITTER  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	17473	14368	15021	15708	16268	14941	15712	14459
COLO	830	692	515	556	485	202	148	118
IDAHO								
ILL								
IND								
IOWA	1522	1432	2316	3069	3530	3094	2428	970
KANS	995	1022	843	1335	1801	1564	1260	1529
MICH	3120	3122	2680	4217	4559	3759	2632	2135
MINN	12571	13379	14650	15248	15128	13786	13007	13888
MO	2637	2546	2469	3096	3336	2340	1809	1871
MONT	215	181	158	172	152	120	112	115
N Y	4924	4736	4305	6400	7404	4971	3356	1905
N DAK	505	472	525	573	703	666	605	450
OHIO	3011	2708	1873	1515	2702	2365	1780	1219
OKLA								
OREG	1326	1369	1373	1216	1261	1131	1000	880
PA	5464	5295	5162	5666	5769	4830	4345	3833
S DAK	1003	983	1012	1018	990	803	808	754
TENN								
UTAH	615	393	355	519	446	464	476	480
VT								
WASH	3581	3092	3266	3540	4073	3479	3704	3372
WIS	27017	26083	25893	29316	29602	23951	21383	18029
OTHER 1/	18923	18070	18660	19174	18353	11433	9134	9271
U S	105732	99943	101076	112338	116562	93899	83699	75278

TABLE 9--SWISS CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ILL	3924	3842	3809	3967	5001	4907	4916	4787
OHIO	2688	2659	3014	3208	3801	3464	3418	3297
PA	397	354	428	502	681	1072	965	730
UTAH 2/	1717	1662	1787	1726	1792	1682	1776	1730
WIS	2938	2778	3100	2943	3242	3265	3215	3437
OTHER 1/	5381	4578	5307	5771	6390	6363	5430	5271
U S	17045	15873	17445	18117	20907	20753	19720	19252

SEE FOOTNOTES ON PAGE 15.

TABLE 8--BUTTER  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBR	1,000 LBS	NUMBR	1,000 LBS
CALIF	15862	15906	13560	15906	20	146967	24	185184
COLO	347	676	520	545	3	4851	3	5634
IDAHO					7	7516		
ILL					5	3495		
IND					6	10476		
IOWA	587	649	541	1998	9	22161	7	22136
KANS 2/	1139	1197	1608	2058	2	11862	2	16351
MICH	2090	3425	1929	3041	10	31837	9	36709
MINN	12920	12239	12192	13903	38	154872	32	162911
MO	2164	2892	1650	1393	3	22260	3	28203
MONT	136	198	184	195	8	1796	8	1938
N Y	1444	2631	2229	2730	22	35851	20	47035
N DAK	513	541	524	624	10	6496	8	6701
OHIO	1924	2753	2176	3002	7	25828	8	27028
OKLA					3	18807		
OREG	1183	1249	954	1149	11	13805	11	14091
PA	3189	4653	4767	6199	11	48814	11	59172
S DAK	787	843	763	927	10	11196	9	10691
TENN					4	21697		
UTAH	399	476	359	610	6	4889	6	5592
VT					4	4372		
WASH	3063	3378	2973	3272	12	34010	10	40793
WIS	18463	22376	21448	25617	35	255900	35	289178
OTHER 1/	10823	15297	16354	20415	30	84846	52	185907
U S	77033	91379	84731	103584	276	984604	258	1145254

TABLE 9--SWISS CHEESE  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBR	1,000 LBS	NUMBR	1,000 LBS
ILL	4185	4287	4100	4481	9	49992	9	52206
OHIO	3154	3171	2772	2616	17	35336	17	37262
PA	703	362	332	443	6	8861	6	6969
UTAH 2/	1843	1919	1762	1748	2	21244	2	21144
WIS	3276	3587	3550	3499	22	35293	20	38830
OTHER 1/	4428	4390	4059	5161	10	62557	9	62529
U S	17589	17716	16575	17948	66	213283	63	218940

1/ STATES NOT SHOWN WHEN FEWER 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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ARK	1397	1440	1493	2270	2632	2321	1863	1841
CALIF	14353	13147	15308	14947	13379	14003	14637	14399
CONN	383	380	399	374	253	328	283	348
IDAHO	7533	7674	9460	8088	8766	10844	9315	9374
ILL	7704	7309	8033	7860	8642	8640	8607	8472
IND	3356	3073	3280	3773	5264	5192	4181	4119
IOWA	15977	15338	16955	15764	18022	17991	17039	16275
KANS	2208	2372	2678	2890	3366	2980	2399	2359
KY	5259	4220	4787	5676	6287	5690	5206	5435
MASS	391	387	470	418	388	363	365	271
MICH	2593	2737	2993	2878	3149	3185	3221	3030
MINN	44210	43390	45099	44269	46544	45307	40368	36976
MISS	460	472	788	1184	1473	899	543	620
MO	7171	6045	8843	8149	8113	7982	7635	7242
NEBR	5955	5596	5672	5586	5552	5483	5664	6074
N J	2670	2759	3244	1719	1853	1890	2066	2033
N Y	24841	23815	28510	25236	25560	27631	24043	23584
N DAK	3695	3587	3962	4406	4641	4687	4828	4363
OHIO	6984	6769	7873	7747	9626	9263	8338	7898
OREG	2326	2481	2735	2954	3298	3402	3284	3236
PA	8259	7261	8377	8438	8742	8868	8521	7881
S DAK	6364	6284	6866	7009	7292	6790	6575	6451
TENN	2211	2320	2667	3319	3635	3358	2713	3053
UTAH	5443	5259	4715	6081	6860	6775	6829	6163
VT	6647	6375	7009	7378	7457	7582	6604	6257
VA 2/	430	398	564	714	828	801	598	624
WASH	3550	3662	4023	3649	4369	3824	3857	3832
WIS	114217	113569	126011	126861	136917	136823	127999	120331
OTHER 1/	5672	5007	6850	7012	7631	6958	5088	5047
U S	312268	303126	339664	336649	360539	359860	332669	317588

TABLE 11--BRICK CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
WIS	770	711	763	734	734	794	750	802
OTHER 1/	372	368	327	442	456	626	425	761
U S	1142	1079	1090	1176	1190	1420	1175	1563

SEE FOOTNOTES ON PAGE 17.



TABLE 10--TOTAL CHEESE, EXCLUDING COTTAGE CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ARK	1239	1244	989	1231	4	16720	4	19960
CALIF	16335	16642	17080	17233	32	151802	36	181463
CONN	401	438	334	402	8	6224	6	4323
IDAHO	10552	8789	8800	10156	14	97999	14	109351
ILL	8165	8386	7894	8788	24	96968	24	98500
IND	3541	3571	3116	2770	5	37539	6	45236
IOWA	16708	18449	18099	17960	14	191794	13	204577
KANS	2148	2238	2200	2767	11	23391	10	30605
KY	4347	4350	4087	4155	11	64920	11	59499
MASS	475	471	500	600	12	6255	10	5099
MICH	2802	2940	2819	2996	16	31590	16	35343
MINN	36405	41919	40866	47008	31	479952	32	512361
MISS	335	419	459	1136	4	8636	4	8788
MO	7960	10080	10673	10903	11	92250	11	100796
NEBR	6165	6231	6055	6379	13	69744	12	70412
N J	2402	2927	2457	2306	7	25569	8	28326
N Y	26685	28988	28090	32596	47	304400	45	319579
N DAK	3870	3470	3164	3513	11	44952	10	48186
OHIO	7855	7884	6945	7984	23	95147	22	95166
OREG	2973	2863	2600	2531	5	31887	6	34683
PA	8445	8781	8147	9542	23	93908	22	101262
S DAK	6149	6230	5915	6911	16	70110	16	78836
TENN	2191	2048	1966	2667	9	30492	8	32148
UTAH	6034	5884	5520	6096	10	62828	10	71659
VT	5805	6193	5776	6753	11	71226	11	79836
VA 2/	351	383	566	664	1	5497	1	6930
WASH	3666	3533	3359	3823	7	46274	7	45147
WIS	119195	121725	113495	127108	346	1400829	334	1484251
OTHER 1/	3782	5062	5255	7443	28	58338	28	70807
U S	316981	332138	317226	354421	754	3717241	737	3983129

TABLE 11--BRICK CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
WIS	852	838	753	768	34	10350	30	9269
OTHER 1/	490	527	573	737	18	4035	17	6104
U S	1342	1365	1326	1505	52	14385	47	15373

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	3312	2904	3386	4146	4514	4768	4944	4420
IDAHO	5698	5419	6535	6365	7145	8328	7564	7524
ILL	394	345	404	329	306	337	371	326
IND	3356	3073	3280	3773	5264	5192	4181	4119
IOWA	7632	7441	7864	7694	9037	9029	8379	7640
KANS	1742	1890	2077	2430	2985	2623	2043	1931
KY	2732	2511	2601	3143	4170	3721	3114	3525
MICH	1804	1733	1950	1991	2492	2521	2873	2078
MINN	38811	37891	39295	38577	41342	40445	36149	33545
MISS	443	455	771	1167	1456	882	526	603
MO	4134	3513	3875	4253	5343	4558	4180	4057
NEBR	1370	1313	1426	1637	1894	1564	1908	1802
N Y	5561	6115	6330	7253	8144	7826	7226	5780
N DAK	3695	3587	3962	4406	4641	4687	4828	4363
OHIO	2698	2428	2719	2982	4129	3758	3358	2969
OREG	2304	2461	2707	2921	3279	3372	3266	3208
S DAK	4470	4329	4778	4945	5280	4862	4757	4587
TENN	1273	1712	1727	1814	1790	2375	2094	2430
UTAH	3721	3592	2924	4331	5041	5073	5031	4405
VT	2027	2179	2184	2491	2484	2730	2185	2187
VA 3/	439	398	564	714	828	801	598	537
WASH	2231	2376	2675	2453	3292	2665	2458	2546
WIS	74958	74382	83708	87205	96418	94770	88562	80833
OTHER 2/	7927	6961	8950	10459	11169	10231	7721	7530
U S	162732	179008	196692	207479	232443	227118	208316	192945

TABLE 13--MUNSTER CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ILL	428	267	339	291	334	333	336	328
WIS	4311	4529	4761	4577	5118	5026	4851	4917
OTHER 2/	632	551	802	790	827	762	606	811
U S	5371	5347	5902	5658	6279	6121	5793	6056

SEE FOOTNOTES ON PAGE 19.

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	4287	3468	3784	3809	15	23533	16	47742
IDAHO	7466	6614	6268	7561	13	72076	14	82487
ILL	322	338	299	380	9	5858	10	4151
IND	3541	3571	3116	2770	5	37539	6	45236
IOWA	7470	7933	7764	8634	12	96967	10	96517
KANS	1686	1679	1744	2286	9	20675	8	25116
KY	2412	2349	2265	2812	8	43799	8	35355
MICH	1836	1956	2059	1995	10	20828	11	25288
MINN	32455	37188	36090	41671	21	419304	22	453459
MISS	318	402	442	1119	4	8432	4	8584
MO	3532	4320	4560	5264	9	46595	10	51589
NEBR	1667	1710	1569	1726	6	19049	5	19586
N Y	5682	5544	4810	5259	15	87672	17	75530
N DAK	3870	3470	3164	3513	11	44952	10	48186
OHIO	2686	2328	1901	3155	7	32913	8	35111
OREG	2945	2840	2572	2505	5	31634	5	34380
S DAK	4292	4355	4224	4804	14	48706	14	55683
TENN	1767	1512	1493	1839	8	20279	8	21826
UTAH	4175	3939	3719	4312	10	41326	10	50263
VT	1786	1869	1851	2129	7	22306	7	26102
VA 3/	170	109	566	407	1	5497	1	6131
WASH	2316	2197	2153	2566	5	31273	5	29928
WIS	76734	79084	73023	84249	259	926301	250	993926
OTHER 2/	6395	7802	7298	10000	24	82385	24	102443
U S	179810	186577	176734	204765	487	2189899	483	2374619

TABLE 13--MUNSTER CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ILL	361	396	417	499	5	4579	6	4329
WIS	4108	4719	4572	5104	49	50510	43	56593
OTHER 2/	852	803	762	862	10	8522	9	9060
U S	5321	5918	5751	6465	64	63611	58	69982

1/ INCLUDES CHEDDAR, COLBY, WASHED CURD, STIRRED CURD, MONTEREY AND JACK.  
2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.  
3/ DATA FOR LESS THAN 3 PLANTS PUBLISHED BY PERMISSION OF THE FIRMS INVOLVED.

TABLE 14--CHEDDAR CHEESE  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	2597	2251	2552	3071	3566	3664	3910	3382
IDAHO	2917	2697	2798	2908	3344	3851	3558	3412
ILL	8	4	107	19	9	22	23	28
KANS	515	428	399	446	464	416	446	336
MICH	456	1082	315	557	978	810	1096	593
MINN	28111	27656	28537	28696	30693	29886	26994	23315
MISS	443	455	771	1167	1456	882	526	603
MO	3349	2883	3239	3434	4594	3856	3068	3130
NEBR								
N Y	5173	5659	5828	6904	7887	7384	6798	5541
N DAK	3693	3585	3962	4406	4640	4685	4828	4363
S DAK	2418	2292	2563	4113	2775	2679	3885	2140
UTAH	2776	2617	2569	3208	3993	4330	4153	3700
VT	2011	2121	2132	2415	2467	2681	2140	2140
VA 3/	439	398	564	714	828	801	326	352
WIS	61625	60733	68817	72088	79349	78556	72436	65249
OTHER 1/	17750	17435	19828	22234	26644	25513	20452	20233
U S	134281	132296	144981	156380	173687	170016	154639	138517

TABLE 15--BLUE CHEESE 2/  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
WIS	1592	1491	1485	1579	1609	1584	1662	1661
OTHER 1/	1308	1248	1319	1295	1304	1236	1265	670
U S	2900	2739	2804	2874	2913	2820	2927	2331

SEE FOOTNOTES ON PAGE 21.

TABLE 14--CHEDDAR CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	3309	2604	2721	2795	12	12608	13	36422
IDAHO	3914	3192	2846	3515	11	33274	11	38952
ILL	35	28	42	53	5	735	5	378
KANS	329	318	370	394			7	4861
MICH	370	1045	324	415	8	4977	8	8041
MINN	23214	27452	27875	30811	18	308436	19	333240
MISS	318	402	442	1119	4	8432	4	8584
MO	2832	3261	3718	4041	7	39451	7	41405
NEBR					4	2109		
N Y	5391	5241	4490	4844	14	81916	16	71140
N DAK	3867	3470	3164	3510	11	44942	10	48173
S DAK	2011	2247	2009	2322	13	36052	14	31454
UTAH	3482	3224	2930	3572	10	33666	10	40554
VT	1738	1748	1844	2109			5	25546
VA 3/	113	49	43	150	1	5497	1	4777
WIS	61766	63581	58892	66828	213	733306	209	809920
OTHER 1/	16315	18032	19004	22673	75	251925	67	246113
U S	129004	135894	130714	149151	406	1597326	406	1749560

TABLE 15--BLUE CHEESE 2/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
WIS	1559	1350	1383	1452	4	20720	4	18407
OTHER 1/	1207	1287	1277	1220	6	13908	6	14636
U S	2766	2637	2660	2672	10	34628	10	33043

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	715	653	834	1075	948	1104	1034	1038
IDAHO	2781	2722	3737	3457	3801	4477	4006	4112
ILL	386	341	297	310	297	315	348	298
MICH	1348	651	1635	1434	1514	1711	1777	1485
MINN	10700	10235	10758	9881	10649	10559	9155	10230
MO	785	630	636	819	749	702	1112	927
NEBR								
N Y	388	456	502	349	257	442	428	239
OHIO	2375	2043	2198	2498	3742	3424	3072	2697
S DAK	2052	2037	2215	832	2505	2183	872	2447
UTAH	945	975	355	1123	1048	743	878	705
VA 3/							272	185
WIS	13333	13649	14891	15117	17069	16214	16126	15584
OTHER 2/	12643	12320	13653	14204	16177	15228	14597	14481
U S	48451	46712	51711	51099	58756	57102	53677	54428

TABLE 17--CREAM CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	379	425	834	444	433	554	503	509
N Y	4332	3802	5429	5002	3729	6008	3655	3273
OTHER 2/	9972	9587	14732	9660	9000	12040	9906	10301
U S	14683	13814	20995	15106	13162	18602	14064	14083

SEE FOOTNOTES ON PAGE 23.

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMER	1,000 LBS	NUMER	1,000 LBS
CALIF	978	864	1063	1014	14	10925	14	11320
IDAHO	3552	3422	3422	4046	11	38802	11	43535
ILL	287	310	257	327	9	5123	8	3773
MICH	1466	911	1735	1580	7	15851	8	17247
MINN	9241	9736	8215	10860	6	110868	6	120219
MO	700	1059	842	1223	4	7144	5	10184
NEBR					4	16940		
N Y	291	303	320	415	7	5756	7	4390
OHIO	2422	2058	1730	2690			7	30949
S DAK	2281	2108	2215	2482	6	12654	6	24229
UTAH	693	715	789	740	5	7660	5	9709
VA 3/	57	60	523	257			1	1354
WIS	14968	15503	14131	17421	108	192995	102	184006
OTHER 2/	13870	13634	10778	12559	44	167855	44	164144
U S	50806	50683	46020	55614	225	592573	224	625059

TABLE 17--CREAM CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMER	1,000 LBS	NUMER	1,000 LBS
CALIF	545	693	1130	721	4	9718	3	7170
N Y	5664	8145	7298	8765	5	60013	5	65102
OTHER 2/	15466	17482	18436	15399	12	137339	12	151981
U S	21675	26320	26864	24885	21	207070	20	224253

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 THE FIRMS INVOLVED.

TABLE 18--ITALIAN CHEESE, TOTAL  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	9939	9121	10255	9571	7734	7902	8444	8673
CONN	381	378	397	372	252	327	283	347
ILL	2126	2072	2679	2551	2184	2209	2087	2164
KY	2301	1547	1956	2344	1884	1750	1892	1637
MINN	4383	4491	4657	4457	4044	3538	3176	2604
NEBR	4585	4283	4246	3949	3656	3919	3754	4272
N J	2670	2759	3244	1719	1853	1890	2066	2033
N Y	13311	12638	15152	11443	12194	12253	11793	12790
PA	3477	3386	3843	3531	3463	3327	3327	3096
VT	2866	2515	2978	3112	3072	3009	2850	2737
WASH	1319	1286	1348	1196	1077	1159	1399	1286
WIS	26341	25935	27932	26902	26530	26264	24334	24221
OTHER 1/	10079	10493	11219	10483	10853	9397	9258	9615
U S	83778	80904	89906	81630	78796	76944	74663	75475

TABLE 19--MOZZARELLA AND SIMILARS  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	8982	8115	9139	8699	6913	7019	7579	7723
ILL	1043	1015	1438	1457	1115	1061	1025	1017
KY	1856	1060	1559	1723	1212	1435	1452	1026
MASS								
MINN	1992	2191	2290	2320	1905	1469	1282	1258
NEBR								
N J	1140	1074	1093	636	635	713	1050	932
N Y	9244	8330	8602	7972	8141	8335	8418	8692
PA	2223	2116	2042	2232	2093	2174	2163	1952
VT	2210	2073	2335	2493	2448	2330	2179	2116
WIS	16671	17314	17977	16992	16715	17009	15685	15890
OTHER 1/	13107	14023	13961	12302	12087	12235	11803	13412
U S	58468	57311	60436	56826	53264	53780	52636	54018

SEE FOOTNOTES ON PAGE 25.



TABLE 18--ITALIAN CHEESE, TOTAL  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	10852	11745	11433	11964	13	111181	13	117633
CONN	399	436	332	400	7	6207	5	4304
ILL	2397	2471	2264	2646	8	27377	9	27850
KY	1636	1660	1574	1092	3	18549	4	21273
MINN	2841	3208	3191	3952	6	49165	7	44542
NEBR	4498	4521	4486	4653	8	50688	7	50822
N J	2402	2927	2457	2306	7	25569	8	28326
N Y	13878	13902	14448	16665	25	140550	23	160467
PA	3179	3522	3085	4240	13	39657	13	41476
VT	2847	3101	2769	3206	4	30437	4	35062
WASH	1350	1336	1206	1257	3	15001	3	15219
WIS	26366	26239	24558	26839	58	304257	57	312461
OTHER 1/	10118	10457	10183	11141	30	110452	34	123296
U S	82763	85525	81986	90361	185	929090	187	982731

TABLE 19--MOZZARELLA AND SIMILARS  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	9880	10770	10437	10890	9	100563	10	106146
ILL	1170	1156	1083	1192	7	12810	8	13772
KY	1307	1172	1103	745	3	12441	4	15650
MASS					7	2159		
MINN	1461	1823	1799	2107			4	21897
NEBR					7	47852		
N J	906	1082	844	917	4	9942	5	11022
N Y	9290	8920	9205	9935	16	91153	15	105084
PA	1922	2021	1556	2418	11	25395	11	24912
VT	2260	2384	2251	2596			4	27675
WIS	17213	17136	16252	17332	44	188583	44	202186
OTHER 1/	14189	14399	13734	14969	38	142517	42	160221
U S	59598	60863	58264	63101	146	633415	147	688565

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

TABLE 20--OTHER ITALIAN TYPES  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	957	1006	1116	872	821	883	865	950
ILL	1083	1057	1241	1094	1069	1148	1062	1147
KY 2/	445	487	397	621	672	315	440	611
NEBR								
N J	1530	1685	2151	1083	1218	1177	1016	1101
N Y	4067	4308	6550	3471	4053	3918	3375	4098
PA	1254	1270	1801	1299	1370	1153	1164	1144
WIS	9670	8621	9955	9910	9815	9255	8649	8331
OTHER 1/	6304	5159	6259	6454	6514	5315	5456	4075
U S	25310	23593	29470	24804	25532	23164	22027	21457

SEE FOOTNOTES ON PAGE 27.

TABLE 21--ITALIAN CHEESE PRODUCTION IN THE UNITED STATES, 1979 AND 1980

TYPES	1979	1980	1980 AS % OF 1979
1,000 POUNDS			
PERCENT			
HARD:			
PROVOLONE AND SIMILARS	88,681	94,309	106
ROMANO AND SIMILARS	24,531	20,972	85
PARMESAN AND SIMILARS	67,803	59,881	88
OTHER HARD	5,092	5,471	107
TOTAL HARD	186,107	180,633	97
SOFT:			
MOZZARELLA AND SIMILARS	633,415	688,565	109
RICOTTA AND SIMILARS	104,291	106,747	102
OTHER SOFT	5,277	6,786	129
TOTAL SOFT	742,983	802,098	108
TOTAL HARD AND SOFT	929,090	982,731	106

8. BY REGIONS

REGION	HARD TYPES		SOFT TYPES		TOTAL (HARD AND SOFT)	
	1979	1980	1979	1980	1979	1980
1,000 POUNDS						
NORTH AND SOUTH ATLANTIC	9,903	15,061	240,313	261,625	250,216	276,686
EAST NORTH CENTRAL	122,965	115,650	223,686	239,221	346,651	354,871
WEST NORTH CENTRAL	43,978	39,662	122,655	133,684	166,633	173,346
SOUTH CENTRAL	6,108	5,623	20,387	25,102	26,495	30,725
WEST	3,153	4,637	135,942	142,466	139,095	147,103
U S	186,107	180,633	742,983	802,098	929,090	982,731

TABLE 20--OTHER ITALIAN TYPES  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBR	1,000 LBS	NUMBER	1,000 LBS
CALIF	972	975	996	1074	9	10618	7	11487
ILL	1227	1315	1181	1454	5	14567	5	14078
KY 2/	329	488	471	347	1	6108	2	5623
NEBR					5	2836		
N J	1496	1845	1613	1389	7	15627	7	17304
N Y	4588	4982	5243	6730	20	49397	19	55383
PA	1257	1501	1529	1822	13	14262	13	16564
WIS	9153	9103	8306	9507	34	115674	34	110275
OTHER 1/	4143	4453	4383	4937	32	66586	37	63452
U S	23165	24662	23722	27260	126	295675	124	294166

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

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

TABLE 22--CHEESE, PROCESSED CHEESE FOODS AND SPREADS, AND  
COLD PACK: PRODUCTION, UNITED STATES, 1972-80 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
1972	42	748,929	43	550,464			53	1,299,393
1973	31	707,874	32	538,139	19	30,696	50	1,276,709
1974	36	745,562	36	593,537	19	30,588	53	1,369,687
1975	38	726,767	36	682,895	22	39,535	54	1,449,197
1976	35	845,201	34	526,581	24	38,467	57	1,410,249
1977	35	814,039	31	671,340	27	40,991	59	1,526,370
1978	32	774,649	31	669,965	26	48,004	57	1,492,618
1979	34	765,464	36	656,932	25	44,468	63	1,466,864
1980	37	925,670	37	652,807	27	51,719	61	1,630,196

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

TABLE 23--ALL OTHER TYPES OF CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	723	697	833	786	696	778	744	794
MASS	102	100	89	123	86	101	102	54
MINN								
MISS 4/	17	17	17	17	17	17	17	17
N Y	571	555	668	596	615	576	647	600
VA 4/								87
WIS	1009	1039	987	889	1359	2013	2388	2118
OTHER 2/	1373	1235	1392	1132	1258	1431	1402	1341
U S	3795	3643	3986	3543	4031	4916	5300	5011

TABLE 24--LOWFAT COTTAGE CHEESE 3/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ALA	104	115	115	112	114	111	112	115
CALIF	4062	3884	4181	4286	4338	4333	4647	4392
COLO	537	494	547	561	591	633	598	591
IDAHO								
ILL	280	257	301	310	320	323	337	301
IOWA	144	119	102	117	120	119	120	118
KANS	182	147	165	266	206	194	227	203
MINN								
MO	87	114	139	136	135	149	195	145
N Y	1859	2202	1870	2226	3514	2553	2403	2643
N C								
N DAK 4/	134	165	196	166	166	164	167	149
OHIO	1122	1379	1207	1359	1437	1279	1323	1284
OKLA	125	173	154	179	182	170	217	241
OREG	113	101	118	121	126	118	124	122
PA	1198	1349	1585	1510	1513	1425	1470	1514
TEX	316	306	354	351	350	327	344	349
WASH	649	734	744	741	730	685	760	669
WIS	407	439	367	442	448	466	539	488
OTHER 2/	2203	2351	2580	2509	2605	2393	2543	2449
U S	13522	14329	14725	15392	16895	15442	16126	15773

SEE FOOTNOTES ON PAGE 29.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	651	736	733	739	14	7370	15	8910
MASS	102	94	94	101	5	1450	6	1148
MINN					7	651		
MISS 4/	17	17	17	17	1	204	1	204
N Y	568	567	652	694			7	7309
VA 4/	181	274		257			1	799
WIS	1953	1764	1467	1349	24	19825	24	18335
OTHER 2/	1425	1610	1191	1414	30	24596	30	16204
U S	4897	5062	4154	4571	81	54096	84	52909

TABLE 24--LOWFAT COTTAGE CHEESE 3/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA	127	107	109	91	3	1240	3	1332
CALIF	4146	4315	3763	3535	10	46789	10	49882
COLO	536	542	456	471	3	6469	3	6557
IDAHO 4/					2	738		
ILL	302	309	262	254	6	3176	6	3556
IOWA	117	119	112	117			4	1424
KANS	204	144	168	159	5	1935	5	2265
MINN					3	5078		
MO	140	170	139	139	3	1647	3	1688
N Y	2518	2588	1776	2056	4	18808	8	28208
N C					4	1007		
N DAK 4/	144	184	174	162	1	1513	1	1971
OHIO	1235	1398	861	807	15	12722	14	14691
OKLA	164	178	200	155	7	1808	7	2138
OREG	109	128	116	109	9	1254	8	1405
PA	1343	1434	1321	1263	10	16997	8	16925
TEX	345	310	222	215	8	4064	7	3789
WASH	653	647	545	603	9	7795	9	8160
WIS	465	450	434	416	7	4857	8	5361
OTHER 2/	2602	2434	2219	2078	46	20486	47	28966
U S	15150	15457	12877	12630	155	158383	151	178318

1/ INCLUDES FULL-SKIM TYPE CHEESE BEGINNING 1974.

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

3/ MILKFAT CONTENT LESS THAN 4.0 PERCENT.

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

TABLE 25--CREAMED COTTAGE CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ALA	161	158	180	175	173	171	174	177
ARIZ	1018	1019	1047	1025	1011	963	979	962
CALIF	8224	7826	8525	8342	8290	8205	8548	8531
COLO	1270	1171	1241	1263	1245	1228	1357	1259
IDAHO	246	247	259	266	255	265	269	269
ILL	3123	2878	3258	3280	3240	3065	3415	2989
IND	2278	2122	2220	2337	2360	2183	2479	2324
IOWA	1254	1064	976	1095	1104	1030	1103	1118
KANS	1656	1595	1677	1632	1591	1595	1782	1711
KY								
MICH	3819	3474	3902	3475	3685	3492	3912	3322
MINN								
MO	2091	2236	2380	2392	2547	2538	2933	2806
MONT	418	414	410	440	460	448	493	468
NEBR	814	783	783	390	446	459	453	415
N MEX	611	647	825	741	713	705	770	759
N Y	9923	9835	10323	10636	10623	10219	11650	10179
N C	446	518	560	544	561	472	521	545
N DAK 3/	285	305	298	292	298	285	297	263
OHIO	5791	6018	5728	5380	5627	4735	5502	5396
OKLA	857	827	778	751	855	842	966	841
OREG	1191	1181	1302	1246	1358	1258	1296	1223
PA	3561	3939	3909	4059	4344	3726	3789	3889
TENN	569	547	574	597	590	522	584	608
TEX	1980	1884	2125	2097	2106	2056	2267	2089
UTAH	623	562	588	590	597	585	588	548
VA	678	743	774	854	864	763	858	849
WASH	1656	2378	2703	2518	2766	2422	2613	2465
W VA								
WIS	5762	5543	6042	5600	6049	6258	6237	5574
OTHER 2/	8496	8664	9211	9045	9173	8655	8698	8897
U S	68801	68578	72598	71062	72931	69145	74533	70476

SEE FOOTNOTES ON PAGE 31.

TABLE 25--CREAMED COTTAGE CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
ALA	179	164	153	134	4	1789	4	1999
ARIZ	1020	1016	938	964			3	11962
CALIF	7892	8200	7302	6763	13	100433	13	96648
COLO	1177	1239	1043	1098	6	14452	6	14591
IDAHO	250	245	225	224	3	3032	3	3020
ILL	3320	3092	2750	2647	8	37190	8	37057
IND	2354	2290	2007	2043	9	25454	9	26997
IDWA	1107	1073	1026	1018	6	14348	7	12968
KANS	1791	1627	1471	1432	8	21238	7	19560
KY					3	7591		
MICH	3398	3329	3058	3049	11	49023	8	41915
MINN					4	12465		
MO	2739	2478	2271	2150	4	26930	4	29561
MONT	430	436	372	411	8	4962	8	5200
NEBR	410	432	352	340	9	9912	7	6077
N MEX	668	584	601	616	3	8116	3	8240
N Y	9660	9101	8005	7578	15	127429	14	117732
N C	504	470	388	449	6	6151	4	5978
N DAK 3/	273	329	290	291	1	3108	1	3506
OHIO	5469	5221	4272	4048	27	71176	25	63187
OKLA	855	815	699	738	10	9356	10	9824
OREG	1199	1355	1138	1128	13	14627	13	14875
PA	3780	3731	3410	3271	17	46172	15	45408
TENN	535	477	385	369	7	7292	7	6357
TEX	2151	2052	1600	1522	13	22873	12	23929
UTAH	528	549	494	489	3	6538	3	6741
VA	870	829	683	690	5	7252	3	9453
WASH	2387	2472	2147	2135	16	29439	11	28662
W VA					3	2133		
WIS	6121	5557	5067	4842	10	61923	10	68652
OTHER 2/	8789	8454	7214	7205	36	87331	45	102501
U S	69856	67617	59361	57644	281	839735	263	822602

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.

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

TABLE 26--COTTAGE CHEESE CURD 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ALA	170	175	190	185	185	181	185	190
ARIZ	798	741	804	776	771	725	725	703
CALIF	8389	8101	8786	8651	8743	8494	9016	8933
COLO	1125	1046	1109	1137	1143	1137	1195	1129
IDAHO	188	178	197	191	195	211	201	199
ILL	2831	2560	2641	2782	2508	2702	2673	2502
IND	1337	1252	1327	1388	1358	1277	1451	1366
IOWA	845	677	608	717	712	621	726	702
KANS	1090	1062	1089	1111	1051	1033	1149	1107
MICH	2328	2082	2352	2056	2186	2036	2228	1911
MINN								
MO	1306	1456	1534	1546	1591	1601	1936	1636
MONT	276	275	267	288	300	298	330	306
NEBR	510	436	435	446	465	290	277	261
N MEX	411	436	478	491	454	443	467	435
N Y	8388	8546	8683	9086	10011	8996	10115	9506
N C	287	355	400	385	382	309	325	349
N DAK 3/	250	284	281	287	299	267	289	268
OHIO	4229	4584	4601	4477	3339	3883	4458	4294
OKLA	572	558	627	608	593	562	651	597
OREG	757	742	843	847	866	804	811	794
PA	2958	3258	3415	3457	3605	3136	3223	3356
TENN	389	371	399	402	404	363	451	413
TEX	1309	1239	1426	1410	1411	1355	1689	1402
UTAH	430	427	464	487	492	474	487	445
VT	1202	1229	1216	1250	1398	1334	1186	1322
VA	519	576	610	668	676	586	660	637
WASH	1907	1819	2105	2005	2120	1860	1980	1850
W VA								
WIS	3805	3690	3833	3720	4039	3978	3973	3724
OTHER 2/	6165	6583	7002	6818	7064	6743	6841	6765
U S	54771	54738	57722	57672	58361	55699	59698	57102

SEE FOOTNOTES ON PAGE 33.



TABLE 26--COTTAGE CHEESE CURD 1/  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMRER	1,000 LBS	NUMRER	1,000 LBS
ALA	198	175	169	145	4	1856	4	2148
ARIZ	762	754	702	721			3	8982
CALIF	8225	8449	7823	7280	13	101421	13	100890
COLO	1050	1088	910	954	6	13051	6	13023
IDAHO	188	183	172	167	3	2374	3	2270
ILL	2727	2607	2376	2295	10	31954	9	31204
IND	1390	1368	1213	1207	9	15188	9	15934
IOWA	716	684	668	685	6	9121	7	8361
KANS	1161	1048	951	925	8	13596	7	12777
MICH	1934	1951	1830	1786	10	30731	7	24680
MINN					4	10581		
MO	1694	1554	1405	1320	5	18314	5	18579
MONT	283	287	248	277	8	3278	8	3435
NEBR	258	269	224	219	8	6471	6	4090
N MEX	440	413	368	405	3	5405	3	5241
N Y	8676	8400	7955	7416	18	104301	16	105778
N C	349	281	250	285	6	4255	4	3957
N DAK 3/	245	320	299	277	1	2837	1	3366
OHIO	4413	4325	3389	3399	25	51759	25	49391
OKLA	558	548	505	460	10	6658	10	6839
OREG	760	860	684	710	13	9386	13	9478
PA	3207	3221	3048	2845	16	39694	13	38729
TENN	373	351	270	253	7	4846	7	4439
TEX	1397	1360	1076	1015	13	15889	12	16089
UTAH	446	452	418	405	3	5094	3	5427
VT	1260	1316	1154	1202	5	15652	5	15069
VA	669	642	541	538	5	6040	3	7322
WASH	1809	1906	1607	1598	15	23073	12	22566
W VA					3	1389		
WIS	4035	3682	3376	3289	11	44188	11	45144
OTHER 2/	6873	6764	6275	6238	40	70144	44	80131
U S	56096	55258	49906	48316	288	668546	269	665339

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

TABLE 27--CONDENSED MILK, BULK PRODUCTS  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
<b>SWEETENED CONDENSED</b>								
WHOLE MILK								
WIS	3800	3129	3988	3528	2559	3941	3588	3819
OTHER 1/	1723	1191	1400	1189	1858	1567	1236	1358
U S	5523	4320	5388	4717	4417	5508	4824	5177
<b>SWEETENED CONDENSED</b>								
SKIM MILK								
WIS	3042	3236	3545	4525	2897	2582	2724	3065
OTHER 1/	716	686	622	495	412	488	584	762
U S	3758	3922	4167	5020	3309	3070	3308	3827
<b>UNSWEETENED CONDENSED</b>								
WHOLE MILK								
N Y	2358	2762	4001	3100	1694	1844	2801	3734
PA	2072	4115	4794	2193	5019	4486	4811	4142
WIS	3334	1984	2876	2561	1618	3096	2448	3252
OTHER 1/	3035	1975	2819	3648	3910	4392	3671	3932
U S	10799	10836	14490	11502	12241	13818	13731	15060
<b>UNSWEETENED CONDENSED</b>								
SKIM MILK								
CALIF	9476	9711	10154	10990	11671	12147	12311	12402
MICH	5375	5101	5051	4313	6814	9130	8079	6327
MD								
N Y	4425	4448	5046	4735	6050	6204	5413	5375
OHIO	3543	3386	3786	4602	6817	8405	5760	4604
OKLA								
PA	4366	4866	7109	7020	3094	6196	5381	5015
WIS	8519	7971	8359	7187	8221	8639	6725	6547
OTHER 1/	17495	15951	18951	19065	20291	20787	19885	20460
U S	53199	51434	58456	57912	62958	71508	63554	60730

SEE FOOTNOTES ON PAGE 35.

TABLE 27--CONDENSED MILK, BULK PRODUCTS  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	PLANTS	1979 PRODUCTION	PLANTS	1980 PRODUCTION
SWEETENED CONDENSED WHOLE MILK					NUMBER 1,000 LBS			
WIS	4877	4581	4244	4322	5	62635	4	46376
OTHER 1/	1205	1749	1352	1559	6	18648	7	17387
U S	6082	6330	5596	5881	11	81283	11	63763
SWEETENED CONDENSED SKIM MILK					NUMBER 1,000 LBS			
WIS	4343	3256	2280	2556	4	37234	5	38051
OTHER 1/	957	698	566	644	3	9293	4	7630
U S	5300	3954	2846	3200	7	46527	9	45681
UNSWEETENED CONDENSED WHOLE MILK					NUMBER 1,000 LBS			
N Y	3710	3125	3442	2795	7	44377	5	35366
PA	3509	3178	2766	2101	4	42215	5	43186
WIS	4465	3566	4378	4305	4	22619	5	37883
OTHER 1/	3470	3076	2705	3338	14	48669	13	39971
U S	15154	12945	13291	12539	29	157880	28	156406
UNSWEETENED CONDENSED SKIM MILK					NUMBER 1,000 LBS			
CALIF	11009	10518	10301	10345	12	116503	12	131035
MICH	5523	5300	3892	3847	4	66386	4	68752
MO					3	18504		
N Y	4657	4166	4510	4028	11	84797	15	59057
OHIO	4315	4028	3736	5572	7	49662	6	58554
OKLA					3	1461		
PA	4886	3280	2511	3934	8	56412	7	57658
WIS	8421	7175	6719	9194	16	90922	16	93677
OTHER 1/	18481	17511	14030	14241	30	204553	33	217148
U S	57292	51978	45699	51161	94	689200	93	685881

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
OHIO	10760	9784	10941	11003	12838	12124	11488	9100
OTHER 1/	48834	48373	50869	57539	53755	56728	53957	48165
U S	59594	58157	61810	68542	66593	68852	65445	57265

SEE FOOTNOTES ON PAGE 37.

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
SWEET-TYPE, HUMAN								
MINN	1506	819	1400	1516	1886	1781	1182	1242
WIS	1765	1500	2533	1794	1765	1052	958	2166
OTHER 1/	1871	1732	1782	2150	2586	2707	2143	2290
U S	5142	4051	5715	5460	6237	5540	4283	5698
TOTAL CONDENSED 3/								
MINN	1506	819	1400	1516	1886	1781	1182	1242
WIS	1765	1500	2533	1794	1765	1052	958	2182
OTHER 1/	4168	3233	3066	3311	3437	4073	3466	3671
U S	7439	5552	6999	6621	7088	6906	5606	7095

SEE FOOTNOTES ON PAGE 37.

TABLE 28--EVAPORATED AND CONDENSED WHOLE MILK, CASE GOODS  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
OHIO	8283	10734	10982	14019	5	141907	5	132056
OTHER 1/	47625	40762	39300	46702	16	654169	14	592609
U S	55908	51496	50282	60721	21	796076	19	724665

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
SWEET-TYPE, HUMAN								
MINN	1806	2203	1911	1876	5	26590	5	19128
WIS	2344	2417	1894	1934	4	19545	5	22122
OTHER 1/	2393	2305	2234	1489	14	26059	13	25682
U S	6543	6925	6039	5299	23	72194	23	66932
TOTAL CONDENSED 3/								
MINN	1806	2203	1911	1876	5	27493	5	19128
WIS	2344	2417	1996	3327	5	19591	6	23633
OTHER 1/	3842	3794	4012	2867	24	52741	18	42940
U S	7992	8414	7919	8070	34	99825	29	85701

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	15454	14475	16033	20153	24482	24521	25804	23783
IOWA	5124	6347	7403	8361	10009	9580	8599	7631
MICH	4444	4361	4667	6972	7678	6942	6447	6586
MINN	10857	12656	16051	17257	19435	18227	16286	15333
N Y	4403	3939	3243	7815	10180	9456	6685	3671
N DAK 2/	279	270	364	329	754	735	534	331
OHIO	2789	2683	2801	4047	4322	4418	4039	3007
PA	2311	3261	3968	5510	5957	5678	5158	4497
S DAK	2750	2975	3227	3327	3761	3648	3536	3223
WIS	8188	8799	10076	12425	14518	15350	14206	10676
OTHER 1/	17671	18610	21835	28927	34740	33957	30769	25291
U S	74270	78376	89668	115123	135836	132512	122063	104029

TABLE 31--DRY SKIM FOR ANIMAL FEED  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
CALIF	87	101	133	100	133	155	155	133
MINN	39	23	27	43	110	53	87	16
N Y	85	46	53	101	212	139	102	70
N DAK 2/	3	2	4	3	6	6	5	4
S DAK								
WIS	30	39	28	98	68	112	113	54
OTHER 1/	179	212	202	196	398	380	375	333
U S	423	423	447	541	927	845	837	610

SEE FOOTNOTES ON PAGE 39.

TABLE 30--NONFAT DRY MILK FOR HUMAN FOOD  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	20647	19930	17652	19682	12	188446	14	242616
IOWA	5299	4339	4372	5562	7	70181	7	82626
MICH	4536	4854	3587	5140	4	54777	4	66214
MINN	12405	10228	10235	12216	18	150596	16	171186
N Y	749	1717	1461	3470	12	42152	12	56789
N DAK 2/	267	204	400	433	1	5498	1	4900
OHIO	2403	2434	1850	3294	5	28886	5	38087
PA	1878	2488	2879	4716	5	20949	5	48301
S DAK	3063	2804	2949	3273	4	34786	4	38536
WIS	6372	5559	5277	7178	12	98036	14	118624
OTHER 1/	19718	18216	18459	24619	32	214406	31	292812
U S	77337	72773	69121	89583	112	908713	113	1160691

TABLE 31--DRY SKIM FOR ANIMAL FEED  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	183	138	127	144	9	1227	9	1589
MINN	18	16	12	13	13	548	12	457
N Y	13	26	21	34	8	428	7	902
N DAK 2/	4	3	2	5	1	45	1	47
S DAK					3	106		
WIS	20	66	17	32	9	410	12	677
OTHER 1/	240	309	212	236	32	3365	31	3272
U S	478	558	391	464	75	6129	72	6944

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

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

TABLE 32--DRY MILK PRODUCTS  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
DRY WHOLE MILK								
MINN	1186	1487	1661	931	1188	1723	1860	1836
OTHER 1/	5418	4726	6505	4593	4937	6202	5301	4480
U S	6604	6213	8166	5524	6125	7925	7161	6316
DRY BUTTERMILK								
CALIF	399	386	301	245	367	297	201	143
IOWA								
MICH	224	196	197	308	358	201	198	131
MINN	430	491	587	704	1239	601	548	540
N Y	219	181	209	260	222	104	44	45
N DAK 3/	47	53	54	55	71	69	65	52
WIS	938	1443	1393	1635	1780	1473	978	766
OTHER 1/	1497	1587	1376	1354	1245	882	978	702
U S	3754	4337	4117	4561	5282	3627	3012	2379

TABLE 33--LACTOSE-MILK SUGAR  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
FOR HUMAN FOOD								
MINN	2126	2263	2462	2451	2800	2496	1708	2514
WIS	3514	4220	4777	4712	5043	5003	3802	3963
OTHER 1/	2837	3064	3747	3910	3535	3200	3211	2945
U S	8477	9547	10986	11073	11378	10699	8721	9422
TOTAL LACTOSE 2/								
MINN	2126	2263	2462	2451	2800	2496	1708	2514
WIS	4761	5237	6081	6076	6144	6060	5021	4673
OTHER 1/	3676	3914	4562	4868	4748	4125	4011	3820
U S	10563	11414	13105	13395	13692	12681	10740	11007

SEE FOOTNOTES ON PAGE 41.



TABLE 32--DRY MILK PRODUCTS  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
DRY WHOLE MILK								
MINN	1738	1785	1449	1431	5	21666	3	18275
OTHER 1/	4616	6176	5976	5507	16	63654	19	64437
U S	6354	7961	7425	6938	21	85320	22	82712
DRY BUTTERMILK								
CALIF	271	367	268	304	4	1278	3	3549
IOWA					6	3598		
MICH	117	204	56	176	4	2060	4	2366
MINN	430	315	351	535	6	12319	4	6771
N Y	46	78	113	236	4	889	7	1757
N DAK 3/	63	76	72	89	1	512	1	766
WIS	778	1129	802	1250	9	15290	9	14365
OTHER 1/	725	1141	1394	1420	27	8725	26	14301
U S	2430	3310	3056	4010	61	44671	54	43875

TABLE 33--LACTOSE-MILK SUGAR  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
FOR HUMAN FOOD								
MINN	2559	2887	2846	3546	4	28121	4	30658
WIS	3034	2710	2796	3155	6	37485	8	46729
OTHER 1/	3526	3449	3168	3604	7	33055	7	40196
U S	9119	9046	8810	10305	17	98661	19	117583
TOTAL LACTOSE 2/								
MINN	2559	2887	2846	3546	4	28121	4	30658
WIS	4062	3753	3222	3721	7	46379	10	58811
OTHER 1/	4237	4199	4022	4526	8	34699	8	50708
U S	10858	10839	10090	11793	19	109199	22	140177

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

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

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

TABLE 34--DRY WHEY  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

		1980							
STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
1,000 POUNDS									
<b>HUMAN FOOD</b>									
MINN	14210	14009	12986	12934	13266	14646	12747	9937	
N Y	3328	4450	4234	3102	3564	3247	3327	4024	
UTAH	1642	2087	1989	2056	1166	1160	1578	1349	
WIS	14246	14064	15458	15697	14221	14013	13669	14631	
OTHER 1/	12896	12039	13850	13018	14044	13337	13439	11254	
U S	46322	46649	48517	46807	46261	46403	44760	41595	
<b>ANIMAL FEED</b>									
ILL									
KANS									
MINN	2058	2027	1859	1899	2048	1292	1232	794	
MO	1602	1584	1486	1666	2066	1829	1750	1566	
N Y	2229	1197	1518	2201	1743	2080	1699	1479	
UTAH	71	69	64	60	24	18	26	24	
WIS	4059	3828	3136	3542	3575	3381	3323	3639	
OTHER 1/	5572	4341	4425	5936	6385	5327	4118	3883	
U S	15591	13046	12488	15304	15841	13927	12148	11385	
<b>TOTAL DRY WHEY</b>									
IOWA	4221	4350	4516	4491	4822	4867	4238	3901	
KANS									
MINN	16268	16036	14845	14833	15314	15938	13979	10731	
MO	1602	1584	1486	1666	2066	1829	1750	1566	
N Y	5557	5647	5752	5303	5307	5327	5026	5903	
UTAH	1713	2156	2053	2116	1190	1178	1604	1373	
WIS	18305	17892	18594	19239	17796	17394	16992	18270	
OTHER 1/	14247	12030	13759	14463	15607	13797	13319	11236	
U S	61913	59695	61005	62111	62102	60330	56908	52980	

SEE FOOTNOTES ON PAGE 43.

TABLE 34--DRY WHEY  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979	1980	1979	1980
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 LBS	NUMBER	1,000 LBS
<b>HUMAN FOOD</b>								
MINN	7073	10166	9409	13033	11	155940	11	144416
N Y	4338	4635	4803	4342	6	38323	8	47794
UTAH	1544	1748	1866	2124	4	21556	4	20309
WIS	14449	12839	12295	14495	14	169926	14	170077
OTHER 1/	10884	12011	11844	14037	24	143709	22	152653
U S	38288	41399	40217	48031	59	529454	59	535249
<b>ANIMAL FEED</b>								
ILL					5	9622		
KANS					5	1489		
MINN	279	356	499	199	7	21505	8	14542
MO	1667	1765	1763	1899	4	21086	4	20643
N Y	1331	2452	2040	3539	6	19183	8	23508
UTAH	39	37	40	48	4	1599	4	520
WIS	3621	4797	5370	5026	18	59970	17	47297
OTHER 1/	2167	2008	2261	2863	34	69033	35	49286
U S	9104	11415	11973	13574	83	203487	76	155796
<b>TOTAL DRY WHEY</b>								
IOWA	3598	3842	3593	4162	8	59287	8	50601
KANS					5	1489		
MINN	7352	10522	9908	13232	12	177445	13	158958
MO	1667	1765	1763	1899	4	21086	4	20643
N Y	5669	7087	6843	7881	7	57506	9	71302
UTAH	1583	1785	1906	2172	4	23155	4	20829
WIS	18070	17636	17665	19521	25	229896	23	217374
OTHER 1/	9453	10177	10512	12738	34	163077	32	151338
U S	47392	52814	52190	61605	99	732941	93	691045

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	940	841	1002	1062	1193	1265	1432	1257
ARIZ	520	466	470	639	585	614	580	594
ARK	271	287	329	386	402	522	506	510
CALIF	6247	6983	7770	7670	7759	8476	9483	9315
COLO	712	815	743	820	773	926	1046	872
CONN	1204	1466	1517	1749	2031	1975	2174	2113
FLA	2516	2627	3077	3162	2962	3141	3126	2964
GA	446	468	527	511	584	596	648	568
IDAHO								
ILL	2722	2874	3104	3202	3279	3683	4042	3871
IND	1303	1493	1807	1808	1842	2228	2500	2413
IOWA								
KANS	549	502	594	602	713	767	852	745
LA	582	554	708	655	694	897	830	730
MAINE	20	24	24	33	43	61	82	76
MD 2/	1227	1336	1489	1661	1659	1904	1948	1754
MASS	2684	3266	3796	3575	3890	3789	4003	4828
MICH	2807	2868	3129	3137	3653	3754	3616	3338
MINN	2525	2617	2410	2727	2832	3151	3631	3247
MISS	332	328	388	402	434	628	567	469
MO	1169	1293	1483	1546	1471	1510	1781	1704
MONT	125	135	176	160	182	190	224	187
NEBR	580	570	655	822	776	900	1031	964
NEV	87	81	95	103	104	103	136	113
N H	71	63	69	84	99	157	186	159
N J	724	674	837	918	1007	1173	1346	1272
N MEX	203	227	305	247	269	374	323	324
N Y	4154	4664	5592	5042	3821	4384	5655	5880
N C	1909	1968	2040	2152	2611	2654	2954	2730
N DAK	166	172	181	204	209	244	275	245
OHIO	3636	3621	4163	4063	3974	4900	4838	4781
OKLA	640	649	870	742	897	939	1160	1035
OREG	562	595	683	732	744	810	818	826
PA	5871	5563	6219	6022	7125	7707	8440	8220
R I	73	66	81	96	118	97	138	128
S C	739	702	825	964	1078	1139	998	1085
TENN	1367	1272	1470	1685	1766	1902	2233	1970
TEX	2584	2829	2918	3390	3397	4238	4376	3782
UTAH	571	542	787	684	718	819	884	811
VT	16	13	13	15	35	37	43	49
VA	609	562	622	718	735	799	925	821
WASH	1207	1208	1378	1394	1338	1525	1561	1560
W VA	181	167	183	186	223	216	243	234
WIS	1444	1540	1660	1727	1790	2138	2514	2217
OTHER 1/	1949	1967	2190	2184	2073	2373	2730	2538
U S	58244	60958	68379	69681	71888	79705	86878	83299

SEE FOOTNOTES ON PAGE 45.

TABLE 35--ICE CREAM, TOTAL  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL	
	SEP	OCT	NOV	DEC	1979 PRODUCTION	1980 PRODUCTION
	1,000 GALLONS					
ALA	1145	1015	740	710	12464	12602
ARIZ	561	494	375	463	6208	6361
ARK	418	323	273	276	4301	4503
CALIF	7449	7708	5713	6141	89111	90714
COLO	799	771	639	691	9066	9607
CONN	1478	1421	1610	1649	22362	20387
FLA	3054	2872	2546	2720	32553	34767
GA	439	471	367	387	5976	6012
IDAHO					3216	
ILL	3299	2993	2373	2705	38288	38147
IND	2179	1720	1518	1655	24312	22466
IOWA					13491	
KANS	731	674	506	476	6340	7711
LA	786	682	535	582	8326	8235
MAINE	36	28	19	21	625	467
MD 2/	1608	1363	823	949	20056	17721
MASS	4181	3511	3360	3103	42463	43986
MICH	2959	3186	2021	2169	33068	36637
MINN	2679	2647	1931	2491	32523	32888
MISS	478	340	264	265	4747	4895
MO	1564	1271	1015	1040	17902	16847
MONT	183	156	128	117	1794	1963
NEBR	809	738	584	696	10299	9125
NEV	104	97	79	84	1088	1186
N H	102	96	86	65	1031	1237
N J	1020	906	666	767	5747	11310
N MEX	331	229	184	221	3151	3237
N Y	5681	4845	3770	4383	61903	57871
N C	2440	2086	1536	1684	26922	26764
N DAK	183	207	178	195	2379	2459
OHIO	4628	3956	3192	3268	46590	49020
OKLA	819	713	562	539	8716	9565
OREG	605	634	589	571	8594	8169
PA	7728	6340	5098	5606	73746	79939
R I	104	82	73	54	1401	1110
S C	812	698	546	651	10877	10237
TENN	1626	1389	1058	1013	18371	18751
TEX	3558	3114	2162	2639	38751	38987
UTAH	630	646	506	600	7878	8198
VT	30	18	13	16	272	298
VA	834	797	644	715	7822	8781
WASH	1521	1226	1579	1543	17139	17040
W VA	210	194	168	154	2252	2359
WIS	1970	1561	1510	1509	18084	21580
OTHER 1/	2202	2015	1660	1778	8874	25659
U S	73973	66233	53199	57361	811079	829798

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	512	505	624	644	678	791	786	670
ALAS	28	28	41	39	49	58	50	50
ARIZ	205	321	355	372	394	388	381	361
ARK	155	170	213	234	278	339	344	368
CALIF 2/	1871	1999	2344	2333	2551	2620	2934	2841
COLO	270	350	342	442	471	529	651	592
CONN	230	330	347	462	246	237	119	279
FLA	1221	1411	1797	1370	1620	1666	1549	1405
GA	405	448	523	560	718	718	673	696
IDAHO								
ILL	967	1033	1338	1575	1794	1915	2153	1985
IND	399	455	476	528	677	721	751	748
IOWA 3/	327	364	538	551	613	682	791	718
KANS	316	323	431	483	595	624	751	603
KY	165	143	230	298	370	395	414	353
LA	274	282	348	367	387	435	431	365
MAINE	9	9	11	28	62	65	69	68
MD 4/	344	339	434	473	560	566	680	640
MASS	474	568	719	837	976	1027	1195	1420
MICH	594	608	693	928	1166	1255	1452	1273
MINN	257	306	381	513	652	637	760	636
MISS 5/	195	174	262	241	282	371	351	293
MO	532	586	695	808	914	1095	1199	1095
MONT 6/	51	58	77	91	105	117	147	110
NEBR	144	199	230	229	335	337	320	365
NEV	76	74	90	101	97	90	99	103
N H								
N J	251	243	257	306	377	368	401	389
N MEX	106	85	126	102	114	133	121	103
N Y	558	627	793	837	837	944	1114	1154
N C	744	642	749	903	1043	1180	1380	1138
N DAK	52	59	57	99	131	107	130	99
OHIO	1225	1158	1663	2103	2473	2667	2889	2302
OKLA	255	296	294	307	340	434	489	479
OREG 7/	234	259	323	365	370	391	485	438
PA	862	951	1028	1244	1710	1854	1883	1618
R I	18	23	17	44	52	54	70	57
S C	269	299	334	424	306	496	404	404
S DAK	20	23	37	47	55	63	66	51
TENN	384	363	438	491	564	688	736	640
TEX	761	866	855	1066	1100	1304	1243	1233
UTAH	171	162	213	256	274	316	359	323
VT								
VA	221	221	310	359	385	406	446	427
WASH	558	512	770	727	841	818	875	851
W VA	139	139	292	251	301	325	328	282
WIS	361	451	569	634	907	851	930	833
OTHER 8/	250	226	274	375	423	487	580	505
U S	17460	18688	22938	25447	29193	31564	33979	31363

SEE FOOTNOTES ON PAGE 47.

TABLE 36--ICE MILK, TOTAL 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL	
	SEP	OCT	NOV	DEC	1979 PRODUCTION	1980 PRODUCTION
1,000 GALLONS						
ALA	590	503	369	338	7609	7010
ALAS	47	39	32	34		495
ARIZ	386	368	210	211	4006	3952
ARK	278	226	175	200	3030	2980
CALIF 2/	2705	2486	1898	2147	28417	28729
COLO	474	400	273	298	5083	5092
CONN	165	281	196	84	2988	2976
FLA	1268	1240	989	929	15406	16465
GA	736	655	390	471	6866	6993
IDAHO					1324	
ILL	1531	1288	986	920	17023	17485
IND	551	447	382	299	7032	6434
IOWA 3/	528	428	284	322	5431	6146
KANS	552	468	352	275	4926	5773
KY	317	227	160	161	3500	3233
LA	353	354	294	298	4215	4188
MAINE	32	11	7	6	518	377
MD 4/	531	449	351	345	7355	5712
MASS	805	767	601	428	10454	9817
MICH	911	670	512	562	11547	10624
MINN	371	332	253	212	5122	5310
MISS 5/	305	251	204	182	3333	3111
MO	985	732	573	577	10470	9791
MONT 6/	88	72	67	80	1300	1063
NEBR	244	192	178	179	3883	2952
NEV	104	94	74	76	963	1078
N H					624	
N J	334	307	238	226	3040	3697
N MEX	103	91	78	68	1338	1230
N Y	913	783	573	610	10015	9743
N C	1027	824	565	624	10285	10819
N DAK	73	77	52	51	989	987
OHIO	2067	1588	1086	1138	23340	22359
OKLA	399	334	250	237	3940	4114
OREG 7/	382	378	266	265	4396	4156
PA	1353	1156	747	781	15570	15187
R I	36	27	13	21	540	432
S C	406	250	251	176	4494	4019
S DAK	35	29	18	15	528	459
TENN	507	404	284	273	6446	5772
TEX	987	1034	700	746	11676	11895
UTAH	253	219	162	174	2604	2882
VT					499	
VA	369	346	237	236	4401	3963
WASH	813	535	725	910	8385	8935
W VA	234	165	110	109	2186	2675
WIS	572	408	283	286	7067	7085
OTHER 8/	376	319	262	277	2489	4354
U S	26096	22254	16710	16857	296653	292549

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	239	232	296	289	292	377	361	291
ARK	39	43	59	65	58	82	89	116
CALIF	542	578	728	894	895	920	1126	1086
COLO	66	93	69	100	84	76	133	111
FLA	534	618	766	464	631	562	570	478
GA	51	70	58	58	85	67	90	100
IDAHO								
ILL	178	215	237	236	217	278	293	289
IND	194	235	207	183	241	277	272	300
IOWA								
KANS								
LA	36	41	53	50	52	60	67	44
MD 2/	71	71	87	93	102	103	139	117
MASS	199	260	293	294	289	261	272	471
MICH	148	136	116	158	239	231	227	197
MINN	76	70	59	50	76	79	98	74
MISS	64	50	80	67	83	116	119	87
MO	215	257	270	288	376	407	457	419
MONT	12	11	18	12	16	15	22	15
NEBR								
N J	16	5	8	7	9	11	11	7
N Y	220	251	319	278	227	282	341	381
N C	399	329	377	444	504	597	717	561
N DAK	7	9	7	6	12	10	12	9
OHIO	261	194	255	271	255	372	324	277
OKLA	99	122	107	115	122	179	206	204
OREG	30	29	38	43	33	32	52	38
PA	368	407	396	424	554	579	569	521
S C	176	197	217	272	185	315	256	251
TENN	241	220	266	294	333	416	437	400
TEX	148	214	164	262	234	352	297	327
UTAH	45	37	78	77	79	87	100	83
VA	47	29	47	65	50	49	56	44
WASH	170	175	321	255	347	301	319	284
W VA	28	28	114	28	33	35	38	37
WIS	93	130	141	152	211	209	234	191
OTHER 1/	449	530	524	598	698	697	765	794
U S	5461	5886	6775	6892	7622	8434	9069	8604

SEE FOOTNOTES ON PAGE 49.



TABLE 37--ICE MILK, HARD  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL			
ALA	251	206	143	131	7	3797	7	3108
ARK	78	53	43	60	7	760	6	785
CALIF	1030	1020	706	825	80	8670	80	10350
COLO	107	70	53	53	10	1135	12	1015
FLA	404	428	312	283	11	5782	11	6050
GA	72	66	36	37	5	911	5	790
IDAHO					5	364		
ILL	221	172	138	131	30	2789	28	2605
IND	217	193	177	143	23	3129	20	2639
IOWA					13	1624		
KANS					9	1477		
LA	47	55	45	35	20	852	19	585
MD 2/	96	83	59	63	8	1604	7	1084
MASS	242	296	228	166	9	3690	11	3271
MICH	167	110	66	81	27	1905	26	1876
MINN	53	51	40	48	8	1066	5	774
MISS	95	88	73	45	7	1008	7	967
MO	393	283	214	230	16	4262	16	3809
MONT	14	11	12	11	11	227	8	169
NEBR					9	1655		
N J	6	4	3	2	6	86	6	89
N Y	341	257	170	182	25	3934	21	3249
N C	520	409	263	306	17	5533	16	5026
N DAK	7	11	7	9	6	144	5	106
OHIO	312	219	160	174	35	3496	34	3074
OKLA	147	92	66	58	10	1412	11	1517
OREG	41	48	36	32	14	734	11	452
PA	474	454	273	287	38	5815	37	5306
S C	256	154	160	105	5	2875	5	2544
TENN	315	248	171	167	11	3648	11	3508
TEX	212	238	139	130	21	2671	21	2717
UTAH	68	59	43	48	11	905	11	804
VA	48	59	25	24	7	699	7	543
WASH	291	125	287	444	19	2746	17	3319
W VA	33	31	21	20	4	296	3	446
WIS	144	87	69	72	24	1455	23	1733
OTHER 1/	592	621	485	426	36	2066	69	7179
U S	7294	6301	4723	4828	604	85222	576	81889

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

TABLE 38--ICE MILK, SOFT  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	273	273	328	355	386	414	425	379
ALAS	28	28	41	39	49	58	50	50
ARK	116	127	154	169	220	257	255	252
CALIF	1329	1421	1616	1439	1656	1700	1808	1755
COLO	204	257	273	342	387	453	514	481
FLA	687	793	1031	906	989	1104	979	927
GA	354	378	465	502	633	651	583	596
IDAHO								
ILL	789	818	1101	1339	1577	1637	1860	1696
IND	205	220	269	345	436	444	479	448
IOWA								
KANS								
LA	238	241	295	317	335	375	364	321
MD 2/	273	268	347	380	458	463	541	523
MASS	275	308	426	543	687	766	923	949
MICH	446	472	577	770	927	1024	1225	1076
MINN	181	236	322	463	576	558	662	562
MISS	131	124	182	174	199	255	232	206
MO	317	329	425	520	538	688	742	676
MONT	39	47	59	79	89	102	125	95
NEBR								
N J	235	238	249	299	368	357	390	382
N Y	338	376	474	559	610	662	773	773
N C	345	313	372	459	539	583	663	577
N DAK	45	50	50	93	119	97	118	90
OHIO	964	964	1408	1832	2218	2295	2565	2025
OKLA	156	174	187	192	218	255	283	275
OREG	204	230	285	322	337	359	433	400
PA	494	544	632	820	1156	1275	1314	1097
S C	93	102	117	152	121	181	148	153
TENN	143	143	172	197	231	272	299	240
TEX	613	652	691	804	866	952	946	906
UTAH	126	125	135	179	195	229	259	240
VA	174	192	263	294	335	357	390	383
WASH	388	337	449	472	494	517	556	567
W VA	111	111	178	223	268	290	290	245
WIS	268	321	428	482	696	642	696	642
OTHER 1/	1417	1590	2162	2494	2658	2858	3016	2772
U S	11999	12802	16163	18555	21571	23130	24910	22759

SEE FOOTNOTES ON PAGE 51.

TABLE 38--ICE MILK, SOFT  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL	
	SEP	OCT	NOV	DEC	1979 PRODUCTION	1980 PRODUCTION
1,000 GALLONS						
ALA	339	297	226	207	3812	3902
ALAS	47	39	32	34		495
ARK	200	173	132	140	2270	2195
CALIF	1675	1466	1192	1322	19747	18379
COLO	367	330	220	245	3948	4077
FLA	864	812	677	646	9624	10415
GA	664	589	354	434	5955	6203
IDAHO					960	
ILL	1310	1116	848	789	14234	14880
IND	334	254	205	156	3903	3795
IOWA					3807	
KANS					3449	
LA	306	299	249	263	3363	3603
MD 2/	435	366	292	282	5751	4628
MASS	563	471	373	262	6764	6546
MICH	744	560	446	481	9642	8748
MINN	318	281	213	164	4056	4536
MISS	210	163	131	137	2325	2144
MO	592	449	359	347	6208	5982
MONT	74	61	55	69	1073	894
NEBR					2228	
N J	328	303	235	224	2954	3608
N Y	572	526	403	428	6081	6494
N C	507	415	302	318	4752	5393
N DAK	66	66	45	42	845	881
OHIO	1755	1369	926	964	19844	19285
OKLA	252	242	184	179	2528	2597
OREG	341	330	230	233	3662	3704
PA	679	702	474	494	9755	9881
S C	150	96	91	71	1619	1475
TENN	192	156	113	106	2798	2264
TEX	775	796	561	616	9005	9178
UTAH	185	160	119	126	1699	2078
VA	321	287	212	212	3702	3420
WASH	522	410	438	466	5639	5616
W VA	201	134	89	89	1890	2229
WIS	428	321	214	214	5612	5352
OTHER 1/	2286	1914	1347	1269	15927	25783
U S	18602	15953	11987	12029	211431	210660

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

TABLE 39--MILK SHERBET 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	57	45	64	66	67	72	89	83
ARIZ	25	29	31	29	37	56	47	26
ARK	15	16	18	23	25	28	30	39
CALIF	365	336	386	452	438	438	609	553
COLO	40	41	50	40	41	64	63	54
CONN								
FLA	108	137	146	145	144	186	170	188
GA	27	25	31	48	56	66	61	41
IDAHO								
ILL	146	158	174	190	220	255	261	202
IND	70	63	87	82	99	125	129	117
KANS	36	23	54	40	57	64	79	61
LA	29	30	48	43	41	59	48	50
MD 2/	81	61	87	92	132	181	187	169
MASS	85	103	112	157	221	239	322	286
MICH	108	125	119	150	160	184	185	170
MINN	125	114	129	140	179	179	203	161
MISS	25	23	31	29	27	54	43	42
MO	89	71	94	96	139	131	173	155
MONT	8	6	9	5	7	13	10	4
NEBR	18	20	17	17	27	32	34	27
N H	4	7	6	7	9	12	9	7
N J	23	13	21	26	34	39	49	43
N Y	141	119	195	192	179	244	293	299
N C	114	95	104	128	154	175	168	170
N DAK	8	7	10	10	17	13	16	9
OHIO	207	201	256	233	240	344	349	297
OKLA	20	25	30	53	60	64	80	66
OREG	29	31	37	48	45	35	48	43
PA	251	216	262	290	351	352	406	437
R I	2	1	2	4	4	4	9	6
S C	67	49	80	55	95	126	132	106
TENN	77	74	80	95	116	121	148	124
TEX	190	169	168	236	212	324	325	281
UTAH	35	45	61	49	51	60	83	64
VA	28	20	35	32	50	82	76	57
WASH	85	114	99	100	114	117	84	93
W VA	11	11	11	14	14	16	18	30
WIS	66	61	82	64	79	100	112	75
OTHER 3/	206	206	251	235	327	349	415	398
U S	3021	2890	3477	3715	4268	5003	5563	5033

SEE FOOTNOTES ON PAGE 53.

TABLE 39--MILK SHERBET 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL	
	SEP	OCT	NOV	DEC	1979 PRODUCTION	1980 PRODUCTION
1,000 GALLONS						
ALA	56	62	35	45	720	741
ARIZ	43	22	24	23	380	392
ARK	22	15	14	15	251	260
CALIF	367	416	289	366	5187	5015
COLO	36	30	25	36	562	520
CONN					891	
FLA	161	114	106	103	1754	1708
GA	33	24	24	20	386	456
IDAHO					172	
ILL	180	134	123	156	2267	2199
IND	106	55	55	94	1686	1082
KANS	52	34	31	34	455	565
LA	46	48	32	28	536	502
MD 2/	127	75	58	72	1298	1322
MASS	171	72	116	108	1829	1992
MICH	138	107	92	106	1564	1644
MINN	97	93	70	88	1507	1578
MISS	40	23	18	25	367	380
MO	123	101	62	82	1379	1316
MONT	3	10	3	4	81	82
NEBR	21	25	10	21	251	269
N H	8	4	4	3		80
N J	28	20	9	13	194	318
N Y	200	150	111	148	2541	2271
N C	142	101	72	85	1621	1508
N DAK	7	8	8	9	122	122
OHIO	265	207	131	239	2801	2969
OKLA	41	39	26	30	393	534
OREG	28	22	21	19	488	406
PA	375	211	179	232	2785	3562
R I	2	4	1	2	45	41
S C	103	84	61	65	1043	1023
TENN	112	74	61	59	1114	1141
TEX	260	189	145	182	2749	2681
UTAH	44	44	25	32	582	593
VA	28	32	11	17		468
WASH	88	56	94	101	1158	1145
W VA	28	20	7	8	149	188
WIS	82	54	40	57	996	872
OTHER 3/	247	221	179	208	2820	3242
U S	3910	3000	2372	2935	45124	45187

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, 1980 AND ANNUAL 1979 AND 1980

		1980							
STATE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS									
FROZEN PRODUCT 1/									
ARK	:	21	22	31	38	29	45	49	43
CALIF 3/	:	143	167	180	225	189	233	275	258
ILL	:	59	60	63	75	92	103	98	94
IND	:								
IOWA	:	66	107	97	108	113	136	134	128
MO	:	35	21	44	62	48	97	64	23
N Y	:	1	1	2	2	3	4		1
OKLA	:	13	18	20	21	23	19	37	23
OREG	:	23	14	21	17	21	19	21	14
TEX	:	371	467	440	566	705	684	628	593
OTHER 2/	:	81	112	125	121	130	150	156	136
U S	:	813	989	1023	1235	1353	1490	1462	1313
MIX FOR FROZEN PRODUCT									
ARK	:	10	11	16	19	16	23	27	23
CALIF	:	77	87	101	125	111	140	159	147
ILL	:	50	48	52	62	75	83	82	76
IOWA	:	72	90	55	138	161	142	163	164
MO	:	7	5	8	13	10	24	11	5
OKLA	:	7	9	10	10	11	9	17	13
OREG	:	12	7	10	8	11	10	10	8
TEX	:	216	212	206	294	368	373	327	309
OTHER 2/	:	26	38	42	42	41	49	52	45
U S	:	477	507	500	711	804	853	848	790

TABLE 41--OTHER FROZEN DAIRY PRODUCTS  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

		1980							
STATE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS									
COLO	:	2	6	6	10	14	27	21	7
CONN	:								
FLA	:	10	8	14	19	12	13	17	10
ILL	:	28	32	56	63	65	69	74	63
IND	:	33	54	80	79	59	55	33	81
LA	:	6	7	10	12	15	22	16	9
MD	:	32	30	38	49	56	74	89	80
MASS	:	9	16	45	37	64	57	43	68
MO	:								
N Y	:								
OKLA	:	9	13	14	22	26	35	31	38
PA	:	78	83	85	96	94	95	92	82
TENN	:	23	15	23	24	35	34	31	33
WASH	:								
OTHER 2/	:	273	320	440	611	718	862	988	821
U S	:	503	584	811	1022	1158	1343	1435	1292

SEE FOOTNOTES ON PAGE 55.

TABLE 40--MELLORINE TYPE PRODUCTS  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979 PLANTS	1979 PRODUCTION	1980 PLANTS	1980 PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL			
FROZEN PRODUCT 1/								
ARK	42	31	19	23		413		393
CALIF 3/	147	211	111	124	89	2725		2263
ILL	84	72	55	57		1070		912
IND						144		
IOWA	139	80	48	82		1761		1238
MO	28	36	14	13		519		487
N Y	1	1	1	1				18
OKLA	26	15	12	14		375		241
OREG	15	17	10	11		230		203
TEX	601	470	266	261		6913		6052
OTHER 2/	111	97	79	85	1	1524		1383
U S	1194	1030	617	671	90	15674		13190
MIX FOR FROZEN PRODUCT								
ARK	23	15	10	12	7	204	6	205
CALIF	95	120	74	90	12	1601	9	1326
ILL	69	59	45	49	13	829	10	750
IOWA	204	98	34	49	8	1431	7	1370
MO	8	5	4	3	5	124	5	103
OKLA	12	7	6	6	8	158	7	117
OREG	8	9	5	6	5	115	4	104
TEX	296	248	140	123	30	3716	29	3112
OTHER 2/	35	30	24	27	18	716	12	451
U S	750	591	342	365	106	8894	89	7538

TABLE 41--OTHER FROZEN DAIRY PRODUCTS  
 PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979 PLANTS	1979 PRODUCTION	1980 PLANTS	1980 PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL			
COLO	7	6	1	1	3	116	3	108
CONN					5	820		
FLA	11	11	2	5	3	138	3	132
ILL	47	39	25	32	6	533	6	593
IND	34	8	4	26	4	671	3	546
LA	12	6	6	4	4	135	4	125
MD	44	38	21	13			3	564
MASS	53	36	8	7	5	430	5	443
MO					5	479		
N Y					16	4010		
OKLA	19	17	10	10	5	287	4	244
PA	110	123	119	96	8	999	8	1153
TENN	27	17	17	8	5	318	5	287
WASH					4	290		
OTHER 2/	430	269	174	177	35	2808	54	6083
U S	794	570	387	379	108	12034	98	10278

1/ INCLUDES HARD, SOFT-SERVE, AND FREEZER-MADE MILKSHAKE.  
 2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.  
 3/ DESIGNATED AS "IMITATION ICE CREAM".  
 4/ NUMBER OF PLANTS NOT AVAILABLE FOR MELLORINE-TYPE FROZEN DESSERTS.

TABLE 42--WATER ICES 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	24	26	33	54	64	99	89	70
CALIF	161	196	310	376	362	359	440	452
COLO	18	23	29	34	47	57	87	60
CONN								
FLA	55	59	119	99	140	185	102	89
ILL	40	47	99	91	112	113	110	119
IND	182	166	162	174	214	295	314	205
KANS	17	19	17	16	23	33	30	12
LA	8	6	24	24	20	34	27	18
MD 3/	70	146	150	152	215	244	236	236
MISS	15	16	22	31	37	54	44	42
MO								
N J	3	1	5	33	39	42	47	31
N Y	46	39	119	160	286	345	289	321
N C	75	89	102	141	200	267	247	210
N DAK 4/	4	16	54	77	116	122	79	51
OHIO	96	107	131	163	291	332	353	250
OKLA	9	11	11	21	26	41	37	29
PA	48	94	129	218	264	379	389	350
TENN	24	29	33	51	70	110	113	83
TEX	83	110	158	162	192	280	310	238
UTAH	2	3	14	16	27	24	16	17
VA	2	2	3	7	13	15	5	8
WASH								
WIS	140	175	168	300	333	331	393	330
OTHER 2/	344	512	640	791	984	1181	1300	926
U S	1466	1892	2532	3191	4075	4942	5057	4147

SEE FOOTNOTES ON PAGE 57.



TABLE 42--WATER ICES 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979	1980	1979	1980
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	49	28	20	22	4	545	3	578
CALIF	272	282	149	121	11	3214	12	3480
COLO	18	26	6	10	5	382	5	415
CONN					8	514		
FLA	141	100	78	36	7	1227	6	1203
ILL	60	51	45	40	9	883	9	927
IND	123	103	23	34	7	2533	5	1995
KANS	3	22	10	12	3	187	3	214
LA	22	15	7	5	5	188	5	210
MD 3/	199	199	49	56	9	2012	6	1952
MISS	39	12	12	6	5	257	5	330
MO					4	1575		
N J	5	2	1	1	8	161	9	210
N Y	131	60	28	22	25	1692	25	1846
N C	168	109	89	60	13	1560	12	1757
N DAK 4/	18	9	7	9	1	511	1	562
OHIO	130	106	73	48	13	2339	12	2080
OKLA	18	12	4	7	3	205	4	226
PA	159	68	28	38	15	2220	14	2164
TENN	42	47	17	21	7	535	7	640
TEX	138	84	66	48	13	1819	12	1869
UTAH	8				4	151	4	127
VA	7	11	4	9	4	113	4	86
WASH					4	425		
WIS	151	66	96	122	4	1653	5	2605
OTHER 2/	473	299	182	278	44	5160	52	7910
U S	2374	1711	994	1005	235	32061	220	33386

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	464	416	489	508	586	642	713	607
ARIZ	312	232	231	314	289	303	287	293
ARK	157	159	193	216	203	260	249	254
CALIF	3162	3449	3863	3790	3801	4169	4745	4592
COLO	371	419	387	412	393	470	525	444
CONN	589	709	744	867	960	931	1022	999
FLA	1289	1364	1583	1607	1515	1633	1593	1501
GA	210	224	248	263	294	309	318	276
IDAHO								
ILL	1423	1474	1556	1656	1720	1894	2085	1975
IND	629	698	853	833	851	1096	1198	1113
IOWA								
KANS	273	251	304	305	355	390	425	374
LA	288	269	351	324	335	443	411	357
MAINE								
MD 1/	625	673	751	841	829	992	990	917
MASS	1319	1587	1793	1752	1920	1906	2102	2348
MICH	1451	1275	1621	1652	1924	1996	1949	1773
MINN	1186	1207	1128	1285	1337	1492	1727	1530
MISS	171	168	195	214	220	337	285	236
MO	565	598	740	730	745	760	930	860
MONT	59	65	89	81	87	101	116	92
NEBR	298	297	328	418	393	456	530	489
NEV	45	44	50	55	55	53	69	60
N H	35	35	30	50	51	84	103	86
N J	406	432	544	651	766	868	1005	905
N MEX	106	118	159	126	133	198	162	165
N Y	2126	2352	2781	2736	2417	2726	3391	3197
N C	1006	1005	1049	1106	1296	1363	1459	1384
N DAK	84	87	91	102	104	122	141	121
OHIO	1777	1855	1988	1986	1927	2424	2421	2433
OKLA	319	321	435	363	448	478	590	522
OREG	280	287	342	346	366	398	377	411
PA	2925	2794	3103	3084	3723	4096	4555	4442
R I	37	32	38	45	56	43	62	57
S C	389	374	436	498	568	601	519	563
S DAK	34	41	52	40	43	48	62	55
TENN	655	643	746	851	892	987	1139	1002
TEX	1319	1360	1429	1716	1741	2123	2220	1867
UTAH	303	297	410	359	371	418	445	408
VA	335	330	350	405	450	479	554	484
WASH	640	633	724	678	698	801	792	814
W VA	92	82	95	88	102	116	119	116
WIS	714	764	862	893	926	1095	1293	1135
OTHER 2/	986	988	1114	1086	1099	1242	1371	1322
U S	29454	30408	34275	35332	36989	41343	45049	42579

SEE FOOTNOTES ON PAGE 59.

TABLE 43--ICE CREAM MIX  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979	1980	1979	1980
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
					NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	578	491	374	351	8	6120	7	6219
ARIZ	272	201	236	283	6	3074	5	3253
ARK	209	162	134	137	9	2229	8	2333
CALIF	3744	3788	2788	3054	43	45091	37	44945
COLO	393	388	314	347	13	4613	13	4863
CONN	701	674	762	778	10	11145	10	9736
FLA	1558	1455	1281	1386	15	16708	15	17765
GA	217	226	175	184	9	2901	8	2944
IDAHO					7	1679		
ILL	1719	1502	1216	1371	29	19675	27	19591
IND	1033	789	706	771	19	11989	16	10570
IOWA					20	6841		
KANS	376	377	282	268	13	3181	11	3980
LA	386	337	259	285	17	4144	15	4045
MAINE					10	308		
MD 1/	826	683	409	502	11	9984	10	9038
MASS	1997	1691	1602	1475	25	21369	24	21492
MICH	1593	1657	1058	1131	31	16789	30	19080
MINN	1148	1284	880	1180	7	15368	7	15384
MISS	245	176	134	136	8	2417	8	2517
MO	714	607	416	486	15	8618	15	8151
MONT	92	79	61	62	12	892	11	984
NEBR	412	374	299	352	9	5152	8	4646
NEV	51	51	38	42	3	586	3	613
N H	54	45	40	34			5	647
N J	712	586	429	481	11	2793	13	7785
N MEX	168	116	100	110	3	1574	3	1661
N Y	3059	2477	1890	2182	50	33972	49	31334
N C	1232	1041	773	840	19	13617	19	13554
N DAK	91	103	87	96	11	1191	9	1229
OHIO	2367	1900	1383	1592	48	23617	43	24053
OKLA	410	360	277	269	14	4409	14	4792
OREG	299	310	285	283	17	4245	15	3984
PA	3885	3154	2487	2753	60	37827	54	41001
R I	50	38	34	25	7	681	7	517
S C	443	357	295	356	6	5710	6	5399
S DAK	43	54	38	31	4	644	4	541
TENN	851	702	546	578	14	9360	15	9592
TEX	1816	1548	1058	1269	28	19829	26	19466
UTAH	326	335	269	295	12	4101	12	4236
VA	474	430	335	370	9	4499	10	4996
WASH	761	669	803	769	16	8679	17	8782
W VA	98	95	72	80	7	1152	7	1155
WIS	1013	818	743	746	26	9370	21	11002
OTHER 2/	1142	1008	834	910	22	5342	45	13102
U S	37558	33138	26202	28650	733	413485	682	420977

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, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	284	283	343	369	402	430	441	395
ARIZ								
ARK	125	136	165	182	235	275	272	271
CALIF	1167	1247	1455	1423	1568	1610	1789	1733
COLO	167	209	223	280	316	368	421	390
CONN	68	94	114	138	62	60	38	74
FLA	662	767	989	868	945	1057	934	890
GA	286	303	373	403	512	527	471	481
IDAHO	29	28	42	47	45	53	63	57
ILL	669	690	941	1137	1345	1385	1582	1444
IND	205	220	268	345	433	443	470	447
IOWA	198	220	385	382	439	496	545	468
KANS	185	187	264	313	371	397	455	383
KY	108	94	150	201	249	265	282	241
LA	154	156	189	204	216	241	235	207
MAINE	5	5	6	15	33	34	36	36
MASS	310	351	480	612	782	870	1048	1079
MICH	342	366	446	592	718	788	948	831
MINN	160	209	284	412	513	496	589	499
MISS	119	113	165	158	180	230	210	187
MO	282	298	382	470	486	617	669	608
MONT	31	37	46	62	70	80	98	74
NEBR	76	101	160	149	207	211	213	212
NEV	50	48	59	68	64	59	65	68
N J	193	196	206	248	303	296	321	315
N MEX								
N Y	355	400	504	590	648	701	820	819
N C	436	397	473	578	686	740	840	733
N DAK	27	24	24	45	57	47	57	44
OHIO	737	736	1065	1386	1674	1730	1937	1531
OKLA	133	149	160	164	187	218	241	235
OREG	141	160	199	225	236	252	302	280
PA	353	385	453	584	822	908	938	781
R I								
S C	113	123	141	183	147	220	178	186
S DAK								
TENN	190	190	228	262	307	359	397	316
TEX	514	547	580	675	727	799	794	760
UTAH	127	122	149	178	191	218	244	223
VA	302	331	455	506	577	611	674	660
WASH	380	326	435	459	479	500	540	552
W VA	54	60	89	115	144	155	154	135
WIS	165	200	274	341	463	441	473	444
OTHER 3/	496	558	670	763	870	941	1012	929
U S	10393	11066	14034	16132	18709	20128	21796	20018

SEE FOOTNOTES ON PAGE 61.

TABLE 44--ICE MILK MIX 1/  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	353	307	237	216	16	4349	14	4060
ARIZ					6	2600		
ARK	214	186	141	150	10	2483	9	2352
CALIF	1651	1506	1161	1309	40	17655	36	17619
COLOR	298	268	178	200	12	3278	14	3318
CONN	42	65	46	24	6	1850	7	825
FLA	825	777	649	621	21	9312	20	9984
GA	537	473	287	348	16	4794	16	5001
IDAHO	44	40	38	45	6	676	4	531
ILL	1115	946	707	667	34	12422	32	12628
IND	331	254	204	153	19	3948	16	3773
IOWA	360	275	183	190	25	3627	25	4141
KANS	354	260	194	157	17	3259	16	3520
KY	213	156	108	111	15	2401	13	2178
LA	196	192	157	169	20	2273	19	2316
MAINE	17	6	4	3	11	220	8	200
MASS	635	531	422	298	14	7085	14	7418
MICH	575	435	344	371	28	7185	29	6756
MINN	283	251	189	140	8	3837	7	4025
MISS	190	148	119	124	17	2066	17	1943
MO	535	405	322	314	17	5404	17	5388
MONT	58	48	43	54	13	823	17	701
NEBR	152	117	88	87	13	2300	8	1773
NEV	68	62	49	51	3	637	3	711
N J	270	252	195	184	7	1778	8	2979
N MEX					3	678		
N Y	609	561	428	453	30	6901	29	6888
N C	645	527	380	404	19	6666	19	6839
N DAK	32	32	22	20	9	461	8	426
OHIO	1328	1040	705	723	53	15313	40	14592
OKLA	215	207	158	154	13	2120	14	2221
OREG	237	231	160	164	18	2667	16	2587
PA	631	500	338	352	51	7741	46	7045
R I					4	187		
S C	182	115	110	86	10	1903	9	1784
S DAK					4	625		
TENN	254	206	149	142	14	3183	14	3000
TEX	650	668	471	517	34	7561	34	7702
UTAH	178	160	120	129	12	1850	12	2039
VA	556	497	367	362	15	5977	12	5898
WASH	508	399	426	454	19	5441	20	5458
W VA	111	74	49	46	6	1089	6	1186
WIS	296	214	149	143	23	3629	20	3603
OTHER 2/	810	704	490	489	23	5219	36	8732
U S	16558	14095	10587	10624	754	185477	704	184140

1/ INCLUDES MILKSHAKE MIX.

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

TABLE 45--MILK SHERBET MIX  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	37	30	37	51	45	47	59	52
ARIZ	16	19	20	18	23	35	31	17
ARK	9	10	11	15	15	17	18	22
CALIF	259	234	271	304	302	292	413	344
COLO	24	25	32	25	26	39	37	34
CONN								
FLA	70	86	95	93	92	121	108	121
GA	17	16	19	30	41	39	40	26
IDAHO								
ILL	92	103	127	126	155	160	181	134
IND	44	36	51	52	64	64	78	69
KANS	23	18	34	25	37	42	48	39
LA	19	19	30	26	24	37	30	32
MD 1/	36	29	42	44	63	85	90	92
MASS	61	77	78	108	148	158	219	197
MICH	76	76	81	105	101	122	131	115
MINN	74	65	71	86	89	105	114	97
MISS	16	14	20	19	18	34	27	27
MO	55	47	60	58	96	90	122	98
MONT	5	4	6	3	4	8	5	2
NEBR	12	12	11	11	17	19	21	17
N J	12	8	11	15	19	23	30	24
N Y	108	89	132	139	134	189	222	209
N C	73	63	74	87	111	111	114	121
N DAK	5	5	6	7	11	9	11	6
OHIO	136	140	153	169	166	206	250	205
OKLA	13	16	19	33	38	42	50	43
OREG	20	19	25	31	30	24	27	29
PA	165	153	163	188	230	231	269	283
R I	1	1	2	2	2	3	6	4
S C	42	31	50	35	61	68	86	68
TENN	51	43	53	60	76	81	93	89
TEX	122	106	109	145	136	220	205	183
UTAH	22	24	37	30	31	38	49	39
VA	18	13	22	20	32	52	48	36
WASH	68	64	66	64	83	70	54	59
W VA	8	5	5	7	6	7	9	13
WIS	43	41	49	45	56	67	63	47
OTHER 2/	157	154	187	176	245	266	309	282
U S	2009	1895	2259	2452	2827	3221	3667	3275

SEE FOOTNOTES ON PAGE 63.

TABLE 45--MILK SHERBET MIX  
PRODUCTION BY STATES, BY MONTHS, 1980 AND ANNUAL 1979 AND 1980

STATE	1980				ANNUAL			
	SEP	OCT	NOV	DEC	1979		1980	
	1,000 GALLONS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	35	39	22	29	7	487	6	483
ARIZ	27	14	15	14	4	242	3	249
ARK	13	9	8	9	6	152	5	156
CALIF	247	270	177	218	31	3389	30	3331
COLO	23	20	17	24	8	360	8	326
CONN					7	613		
FLA	101	72	67	64	12	1126	12	1090
GA	20	15	15	13	7	244	7	291
IDAHO					5	124		
ILL	121	84	78	95	24	1493	21	1456
IND	69	32	36	57	16	1082	13	652
KANS	33	22	20	22	8	293	8	363
LA	27	28	18	19	13	324	11	309
MD 1/	61	35	27	34	9	808	8	638
MASS	112	55	87	66	17	1238	17	1366
MICH	86	77	63	75	21	960	21	1108
MINN	57	48	31	50	5	940	5	887
MISS	25	15	12	16	7	237	7	243
MO	73	57	31	49	13	861	14	836
MONT	2	5	2	3	8	51	8	49
NEBR	13	15	8	13	7	158	7	169
N J	16	11	6	8	6	115	7	183
N Y	132	98	68	103	29	1809	27	1623
N C	87	70	46	52	15	1065	16	1009
N DAK	6	5	5	6	6	80	5	82
OHIO	171	175	79	136	36	1995	33	1986
OKLA	26	26	17	19	9	255	11	342
OREG	18	14	15	13	12	318	12	265
PA	231	135	114	147	39	1845	38	2309
R I	2	2	1	1	5	31	5	27
S C	66	44	32	45	5	649	5	628
TENN	72	45	44	39	11	741	12	746
TEX	155	117	91	111	27	1780	23	1700
UTAH	28	27	15	20	11	360	11	360
VA	18	20	7	11			7	297
WASH	53	35	59	65	15	748	12	740
W VA	11	8	3	11	5	85	4	93
WIS	61	32	25	35	18	516	18	564
OTHER 2/	181	157	130	150	45	1914	42	2394
U S	2479	1933	1491	1842	529	29488	499	29350

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, 1980

STATE	TOTAL FROZEN PRODUCTS 1/					ICE CREAM				ICE MILK 3/			
	PRODUCTION		AS %		AS %	PRODUCTION		OF TOTAL		PRODUCTION		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	20,353	16,451	3,902	81	19	12,602	100			3,108	3,902	44	56
ALAS	495		495		100					495			100
ARIZ	2/	2/	2/	2/	2/	6,361	100			2/	2/	2/	2/
ARK	8,136	5,935	2,201	73	27	4,503	100			785	2,195	26	74
CALIF	126,721	108,342	18,379	85	15	90,714	100			10,350	18,379	36	64
COLO	15,219	11,142	4,077	73	27	9,607	100			1,015	4,077	20	80
CONN	2/	2/	2/	2/	2/	19,379	95	5		2/	2/	2/	2/
DEL	2/	2/	2/	2/	2/					2/	2/	2/	2/
FLA	2/	2/	2/	2/	2/	33,345	1,422	96	4	6,050	10,475	37	63
GA	13,461	7,004	6,457	52	48	5,772	240	96	4	790	6,203	11	89
HAW	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
IDAHO	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
ILL	58,743	42,422	16,321	72	28	37,533	614	98	2/	2,605	14,880	15	85
IND	2/	2/	2/	2/	2/	22,466		100		2,639	3,795	41	59
IOWA	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
KANS	2/	2/	2/	2/	2/	7,711		100		2/	2/	2/	2/
KY	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
LA	2/	2/	2/	2/	2/	8,037	198	98	2	585	3,603	14	86
MAINE	2/	2/	2/	2/	2/	467		100		2/	2/	2/	2/
MD 4/	24,755	19,199	5,556	78	22	17,104	617	97	3	1,084	4,628	19	81
MASS	55,795	47,897	7,898	86	14	42,634	1,352	97	3	3,271	6,546	33	67
MICH	2/	2/	2/	2/	2/	35,971	666	98	2	1,876	8,748	18	82
MINN	2/	2/	2/	2/	2/	32,888		100		774	4,536	15	85
MISS	8,386	6,185	2,201	74	26	4,842	53	99	1	967	2,144	31	69
MO	28,441	21,725	6,716	76	24	16,472	375	98	2	3,809	5,982	39	61
MONT	2/	2/	2/	2/	2/	1,949	14	99	1	169	894	16	84
NEBR	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
NEV	2/	2/	2/	2/	2/	1,081	105	91	9	2/	2/	2/	2/
N H	2/	2/	2/	2/	2/	1,184	53	96	4	2/	2/	2/	2/
N J	15,325	8,334	6,991	54	46	7,927	3,383	70	30	89	3,608	2	98
NEW MEX	2/	2/	2/	2/	2/	3,237		100		2/	2/	2/	2/
N Y	69,903	54,794	15,109	78	22	49,390	8,481	85	15	3,249	6,494	33	67
N C	39,091	33,698	5,393	86	14	26,764		100		5,426	5,393	50	50
N DAK	3,568	2,687	881	75	25	2,459		100		106	881	11	89
OHIO	74,348	53,165	21,183	72	28	47,373	1,647	97	3	3,074	19,285	14	86
OKLA	14,454	11,827	2,627	82	18	9,550	15	100		1,517	2,597	37	63
OREG	12,934	9,212	3,722	71	29	8,151	18	100		452	3,704	11	89
PA	98,688	84,246	14,442	85	15	75,482	4,457	94	6	5,306	9,881	35	65
R I	2/	2/	2/	2/	2/	1,101	9	99	1	2/	2/	2/	2/
S C	15,279	13,804	1,475	90	10	10,237		100		2,544	1,475	63	37
S DAK	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
TENN	25,681	23,216	2,465	90	10	18,550	201	99	1	3,508	2,264	61	39
TEX	59,615	48,382	11,233	81	19	38,204	783	98	2	2,717	9,178	23	77
UTAH	11,673	9,413	2,260	81	19	8,022	176	98	2	804	2,078	28	72
VT	2/	2/	2/	2/	2/	259	39	87	13	2/	2/	2/	2/
VA	13,212	9,461	3,751	72	28	8,450	331	96	4	543	3,420	14	86
WASH	27,120	21,143	5,977	78	22	16,744	296	98	2	3,319	5,616	37	63
W VA	5,222	2,993	2,229	57	43	2,359		100		446	2,229	17	83
WIS	29,537	23,658	5,879	80	20	21,095	485	98	2	1,733	5,352	24	76
WYO	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
OTH STS 2/	304,569	241,102	63,467	79	21	33,900	884	97	3	7,179	25,783	22	78
U S	1,180,724	937,437	243,287	79	21	801,876	27,922	97	3	81,889	210,660	28	72

SEE FOOTNOTES ON PAGE 65.



TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION, HARD AND SOFT, BY STATES, 1980

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	741		100									100
ALAS												100
ARIZ	392		100		2/		2/					100
ARK	254	6	98	2	393		100					100
CALIF	5,015		100		2,263		100					100
COLO	520		100									100
CONN	2/		2/					31				69
DEL												100
FLA	1,650	58	97	3	2/		2/	12				87
GA	442	14	97	3				4				96
HAW	2/		2/	2/	2/		2/					100
IDAHO	2/		2/	2/								100
ILL	2,169	30	99	1	115	797	13	87	4			91
IND	1,082		100				2/	2/				94
IOWA	2/		2/	2/	2/		2/	2/	2			91
KANS	559	6	99	1								100
KY	2/		2/	2/	2/		2/	2/	19			79
LA	502		100	2/	2/		2/	5				95
MAINE	2/		2/	2/								100
MD 4/	1,071	311	76	24				11			6	83
MASS	1,992		100					17				83
MICH	1,578	66	96	4	2/		2/	7			1	90
MINN	1,399	179	89	11	2/		2/				4	96
MISS	376	4	99	1				2				98
MO	1,260	56	96	4	184	303	38	62	6		1	89
MONT	82		100		2/		2/		2			98
NEBR	269		100						1			99
NEV	2/		2/	2/			2/	2/	9			89
N H	80		100						6			94
N J	318		100						48			52
N MEX	2/		2/	2/	2/		2/	2/				99
N Y	2,155	116	95	5	18		100		56		1	43
N C	1,508		100									100
N DAK	122		100									100
OHIO	2,718	251	92	8					8		1	91
OKLA	534		100		226	15	94	6	1			99
OREG	406		100		203		100					100
PA	3,458	104	97	3					31		1	68
R I	41		100						3			97
S C	1,023		100									100
S DAK												100
TENN	1,141		100		2/		2/		8			92
TEX	2,558	123	95	5	4,903	1,149	81	19	7		1	82
UTAH	587	6	99	1					8			92
VT	2/		2/	2/					18			82
VA	468		100						9			91
WASH	1,080	65	94	6					5		1	94
W VA	188		100									100
WIS	830	42	95	5					8		1	91
WYO	2/	2/	2/	2/					4			95
OTH STS 2/	3,237	5	100		1,640	981	63	37				
U S	43,745	1,442	97	3	9,927	3,263	75	25	11		1	87

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, 1980 <sup>1/</sup>

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	4,252,278	485,627	625,444			
COLO	129,749					
CONN			22,006			
DEL						
FLA						
GA						
IDAHO		843,081				
ILL		41,160	773,369			
IND		446,511				
IOWA	498,392	965,846				
KANS	374,377	254,881				
KY		353,798				
LA						
MAINE						
MD						
MASS						
MICH	826,512	253,057				
MINN	3,698,956	4,592,915	363,819			
MISS		85,900	1,717			
MO	642,121					
MONT	45,282	22,018				
NEBR		196,904	213,096			
NEV						
N H						
N J			114,536			
N MEX						
N Y	1,076,925	766,491	1,401,662		87,202	
N C						
N DAK	155,646	494,824				
OHIO	605,203	378,504	509,079	286,287		
OKLA						
OREG	307,804	337,412	873			
PA	1,317,493	412,365	352,803		103,612	
R I						
S C						
S DAK	244,792	565,080				
TENN		215,928	76,801			
TEX						
UTAH	131,020	519,890	218,499			
VT		262,411	328,767			
VA		62,074				
WASH	920,984	300,181	63,607			
W VA						
WIS	6,386,417	9,787,553	3,145,374		90,160	106,631
WYO						
U S 4/	25,823,482	23,764,915	10,159,542	1,594,319	377,390	147,272

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, 1980 <sup>1/</sup>

STATE	DRY WHOLE MILK	ICE CREAM AND OTHER FROZEN PRODUCTS	OTHER MILK PRODUCTS	TOTAL <sup>2/</sup>	DUPLICATIONS	NET TOTAL <sup>3/</sup>
1,000 POUNDS						
ALA		226,813	2,912	257,731	53,533	204,198
ALAS				4,078		4,078
ARIZ		127,978	14,820	482,582	16,596	465,986
ARK		81,932		351,819	23,933	327,886
CALIF		1,556,944	173,333	7,331,737	318,075	7,013,662
COLO		188,607		338,523	7,692	330,831
CONN		334,011		534,150	18,416	515,734
DEL				10,000	1,359	8,641
FLA		648,023		664,680	203,977	460,703
GA		141,713		252,700	25,641	227,059
HAW				52,441	19,419	33,022
IDAHO			3,827	1,463,026	98,667	1,364,359
ILL		616,469	171,159	1,708,490	199,826	1,508,664
IND		337,908	29,517	1,182,998	77,134	1,105,864
IOWA		258,501		2,496,826	162,638	2,334,188
KANS		159,030	23,158	851,086	29,280	821,806
KY		111,934		1,116,033	46,184	1,069,849
LA		150,168		180,957	8,267	172,690
MAINE		9,116		34,337	2,175	32,162
MD		275,995		938,603	91,656	846,947
MASS		726,648		753,961	196,008	557,953
MICH		584,387	87,275	1,856,925	75,916	1,781,009
MINN	135,549	462,912		9,284,618	408,854	8,875,764
MISS		89,918		257,317	9,884	247,433
MO		299,807	33,967	2,121,734	53,166	2,068,568
MONT		36,328	6,017	109,701	5,888	103,813
NEBR		148,165	7,014	1,062,658	87,789	974,869
NEV		28,034		29,829	964	28,865
N H		26,158		26,158	6,876	19,282
N J		202,240		317,104	28,175	288,929
N MEX		57,436	10,199	67,635	2,363	65,272
N Y		953,491	149,307	4,809,510	523,949	4,285,561
N C		478,784	7,127	686,693	196,644	490,049
N DAK		40,954	5,000	696,424	51,809	644,615
OHIO		829,188		2,696,798	171,578	2,525,220
OKLA		177,744	12,173	383,592	30,480	353,112
OREG		143,598	16,640	826,962	36,804	790,158
PA		1,224,583	58,571	3,834,226	128,427	3,705,799
R I				24,178	5,488	18,690
S C		180,367		180,786	73,979	106,807
S DAK		4,238		1,764,748	60,122	1,704,626
TENN		295,617	7,312	1,253,723	67,912	1,185,811
TEX		646,921	29,350	1,353,147	68,506	1,284,641
UTAH		149,094		1,028,334	121,952	906,382
VT		5,945		720,274	82,008	638,266
VA		152,044	11,657	489,780	40,882	448,898
WASH		312,404		1,635,564	45,667	1,589,897
W VA		52,418		53,886	1,588	52,298
WIS		332,300		20,487,632	1,084,581	19,403,051
WYO				100,344	9,541	90,803
U S <sup>4/</sup>	607,333	14,010,040	2,682,745	79,167,038	5,082,268	74,084,770

<sup>1/</sup> 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. <sup>2/</sup> MILK EQUIVALENT OF OTHER DAIRY PRODUCTS, INCLUDING ITEMS PRODUCED BY LESS THAN 3 PLANTS. <sup>3/</sup> 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. <sup>4/</sup> 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, 1980 1/

STATE	1,000 POUNDS						TOTAL 3/
	COTTAGE CHEESE CURD	SWEETENED CONDENSED SKIM MILK, BULK	UNSWEETENED CONDENSED SKIM MILK, BULK	BUTTER- MILK	NONFAT MILK 2/	OTHER PRODUCTS	
ALA	13,425						13,425
ALAS							
ARIZ	56,138						131,697
ARK							5,506
CALIF	630,563		393,105	39,039	2,686,255		3,787,479
COLO	81,394						81,394
CONN							169,971
DEL							
FLA							
GA							
HAW							
IDAHO	14,188						
ILL	195,025						195,729
IND	99,588						390,638
IOWA	52,256						1,033,404
KANS	79,856						344,943
KY							165,302
LA							116,922
MAINE							115,520
MD							637,609
MASS							216,427
MICH	154,250		206,256	26,026	730,158		1,116,690
MINN				74,481	1,888,073		2,049,590
MISS							
MO	116,119						260,469
MONT	21,469						21,469
NEBR	25,563						226,236
NEV							8,746
N H							
N J							
N MEX	32,756						32,756
N Y	661,113		177,171	19,327	634,601		1,503,966
N C	24,731						24,731
N DAK	21,038			8,426	54,417		83,881
OHIO	308,694		175,662		419,958		910,281
OKLA	42,744						261,645
OREG	59,238						207,313
PA	242,056		172,974		537,031		971,876
R I							
S C							
S DAK					424,281		460,895
TENN	27,744						208,868
TEX	100,556						182,473
UTAH	33,919						52,872
VT	94,181						315,364
VA	45,763						166,740
WASH	141,038						850,523
W VA							
WIS	282,150	114,153	281,031	158,015	1,312,311	94,071	2,241,731
OTH STS							
U S	4,158,375	137,043	2,057,643	482,625	12,843,985	167,427	19,847,098

1/ TOTALS SHOWN EXCLUDE SKIM-MILK AND BUTTERMILK SOLD IN FLUID FORM OR USED FOR SOME MINOR PRODUCTS. PRODUCTS INCLUDED AND CONVERSION FACTORS FOR CONVERTING TO A SKIM-MILK EQUIVALENT BASIS ARE: COTTAGE CHEESE CURD, 6.25; DRY BUTTERMILK AND NONFAT DRY MILK, 11; CASE AND BULK SWEETENED CONDENSED SKIM-MILK, BULK UNSWEETENED CONDENSED SKIM-MILK, AND CONDENSED OR EVAPORATED BUTTERMILK, 3.0. 2/ INCLUDES DRY SKIM-MILK FOR ANIMAL FEED. 3/ STATE TOTALS INCLUDE ITEMS PRODUCED BY LESS THAN 3 PLANTS. THESE ARE INCLUDED IN THE PROPER COLUMNS IN U S TOTALS. 4/ INCLUDES DISTRICT OF COLUMBIA. 5/ STATES DO NOT ADD TO U S TOTAL WHICH INCLUDES MILK EQUIVALENT FOR STATES NOT SHOWN SEPARATELY.

TABLE 49--NET WHOLE MILK EQUIVALENTS USED IN MANUFACTURED DAIRY PRODUCTS: TOTAL AND PERCENTAGE DISTRIBUTION BY MAJOR PRODUCTS, UNITED STATES, 1970-80

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					
1970	60,013	39.9	32.6	5.4	18.4	3.7	100.0
1971	61,614	38.8	34.0	5.3	17.8	4.1	100.0
1972	62,319	36.5	36.7	5.0	17.6	4.2	100.0
1973	58,678	31.7	40.2	5.0	18.9	4.2	100.0
1974	61,327	31.5	41.9	4.6	18.2	3.8	100.0
1975	60,524	32.8	39.5	4.5	19.7	3.5	100.0
1976	64,673	30.0	44.5	3.9	18.0	3.6	100.0
1977	67,068	32.6	43.0	3.6	17.4	3.4	100.0
1978	65,945	29.9	45.4	3.4	17.8	3.5	100.0
1979	67,484	28.7	46.7	3.4	17.3	3.9	100.0
1980	74,085	30.8	45.8	3.7	16.1	3.6	100.0

TABLE 50--SKIM MILK EQUIVALENTS OF CERTAIN SKIM-MILK AND BUTTERMILK PRODUCTS, UNITED STATES, 1970-80

YEAR	FULL-SKIM AMERICAN CHEESE	COTTAGE CHEESE CURD	CONDENSED AND EVAPORATED SKIM MILK	NON FAT DRY MILK	CONDENSED AND DRIED BUTTERMILK	TOTAL
1970	64	4,540	3,048	16,016	671	24,367
1971	55	4,657	3,117	15,719	600	24,203
1972	67	4,901	2,941	13,599	596	22,217
1973	67	4,769	2,682	10,188	510	18,241
1974	2/	4,310	2,195	11,281	547	18,334
1975	2/	4,381	2,278	11,103	546	18,389
1976	2/	4,445	2,349	10,253	578	17,720
1977	2/	4,278	2,563	12,260	677	19,777
1978	2/	4,303	2,317	10,196	642	17,458
1979	2/	4,150	2,243	10,063	614	17,070
1980	2/	4,158	2,195	12,844	482	19,847

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

TABLE 51--NUMBER OF DAIRY PLANTS MANUFACTURING ONE  
OR MORE DAIRY PRODUCTS, 1976-80

STATE	1976	1977	1978	1979	1980
ALA	23	23	23	21	19
ALAS	2	3	2	2	2
ARIZ	15	15	14	13	13
ARK	14	14	14	14	14
CALIF	275	275	271	269	263
COLO	34	33	34	28	28
CONN	36	40	41	38	35
DEL	2	2	2	2	1
FLA	30	27	24	24	24
GA	23	23	23	21	20
HAW	5	5	5	5	5
IDAHO	31	30	26	26	25
ILL	110	102	92	88	86
IND	49	51	47	41	41
IOWA	66	68	61	55	56
KANS	37	30	30	30	30
KY	40	41	36	36	34
LA	29	28	25	26	25
MAINE	24	24	24	21	19
MD 1/	23	21	19	19	19
MASS	59	58	59	52	47
MICH	79	77	73	69	65
MINN	114	109	99	96	88
MISS	21	24	24	22	23
MO	60	49	46	42	42
MONT	28	24	22	20	19
NEBR	41	36	31	30	28
NEV	3	3	3	3	3
N H	15	15	12	11	9
N J	30	31	30	31	34
N MEX	5	5	5	5	5
N Y	181	185	174	176	164
N C	28	27	26	26	25
N DAK	34	33	32	26	24
OHIO	122	118	114	112	107
OKLA	24	24	21	20	20
OREG	30	29	28	26	26
P A	127	129	121	120	104
R I	16	19	17	13	13
S C	10	10	12	11	9
S DAK	34	33	29	27	27
TENN	41	39	39	34	31
TEX	64	58	48	47	46
UTAH	23	22	23	23	23
VT	25	24	25	22	21
VA	27	24	21	22	19
WASH	38	37	38	37	34
W VA	12	12	11	10	10
WIS	530	468	455	429	425
WYO	12	12	10	9	7
U S	2,695	2,589	2,461	2,350	2,257

1/ INCLUDES DISTRICT OF COLUMBIA.

The data for manufactured dairy products in 1980, given in this report, were compiled from reports made by dairy manufacturers direct to the United States Department of Agriculture and through the co-operating State agencies shown below:

<u>STATE</u>	<u>AGENCY</u>	<u>COLLABORATOR OR COOPERATING STATE OFFICIAL</u>
Alabama	State Department of Agriculture and Industries .....	McMillan Lane, Commissioner
Alaska	Division of Natural Resources, State Division of Agriculture .....	
Arkansas	University of Arkansas .....	Demonic L. Carney, Director
California	State Department of Food and Agriculture .....	John W. Goodwin, V. P. Agric.
Colorado	State Department of Agriculture Animal Industry Division .....	R. E. Rominger, Director
Florida	Florida Department of Agriculture and Consumer Services .....	James Banghart, Chief, Dairy Inspection
Georgia	State Department of Agriculture .....	Doyle Conner, Commissioner
Hawaii	State Department of Agriculture .....	Thomas T. Irvin, Commissioner
Idaho	State Department of Agriculture Bureau of Dairying .....	John Farias, Jr., Chairman
Illinois	State Department of Agriculture .....	J. L. Nichols, Chief
Indiana	Agricultural Experiment Station Creamery License Division .....	Larry A. Werries, Director
Iowa	State Department of Agriculture Dairy Products Control Division .....	Scott Alexander, In Charge
Kansas	State Board of Agriculture Dairy Division .....	Ray H. Ormond, Supervisor
Kentucky	State Department of Agriculture .....	Brace Rowley, Commissioner
Louisiana	State Department of Agriculture .....	Alben W. Barkley II
Michigan	State Department of Agriculture Food & Dairy Division .....	Bob Odom, Commissioner
Minnesota	State Department of Agriculture .....	Kenneth D. Feighner, Asst. Acting Chief/Dairy
Mississippi	State Department of Agriculture and Commerce .....	Mark Seetin, Commissioner
Missouri	State Department of Agriculture .....	Jim Buck Ross, Commissioner
Nebraska	State Department of Agriculture .....	James B. Boillot, Director
Nevada	State Dairy Commission .....	E. Mickey Stewart, Director
New Jersey	Division of Dairy Industry New Jersey Department of Agriculture .....	William X. Smith, Exec. Director
New York	State Department of Agriculture and Markets Division of Dairy Industry Services .....	Woodson W. Moffett, Jr., Director
North Carolina	State Milk Commission .....	Herbert R. Kling, Director
North Dakota	State Department of Agriculture Dairy Division .....	Grady Cooper, Jr., Exec. Secy.
Ohio	State Department of Agriculture .....	Philip Park, Dairy Commissioner
Oklahoma	State Department of Agriculture Marketing Industry Division .....	John M. Stackhouse, Director
South Carolina	Agricultural Experiment Station Clemson University .....	George Parker, Director
Tennessee	Tennessee Department of Agriculture .....	W. C. Godley, Director
Texas	Texas Department of Agriculture .....	Jere Griggs, Commissioner
Utah	Director, Division of Food and Consumer Services, Utah Department of Agriculture .....	Reagan V. Brown, Commissioner
Virginia	Virginia Department of Agriculture and Consumer Services, Division of Animal Health and Dairies ....	Archie S. Hurst, Director
Washington	State Department of Agriculture .....	Dr. G. B. Estes, State Veterinarian
West Virginia	State Department of Agriculture .....	M. Keith Ellis, Director
Wisconsin	State Department of Agriculture Trade and Consumer Protection .....	Gus R. Douglass, Commissioner
Wyoming	State Department of Agriculture .....	Dr. Gary E. Rohde, Secy. Larry Bourret, Commissioner

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