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# DAIRY PRODUCTS

## ANNUAL SUMMARY 1982

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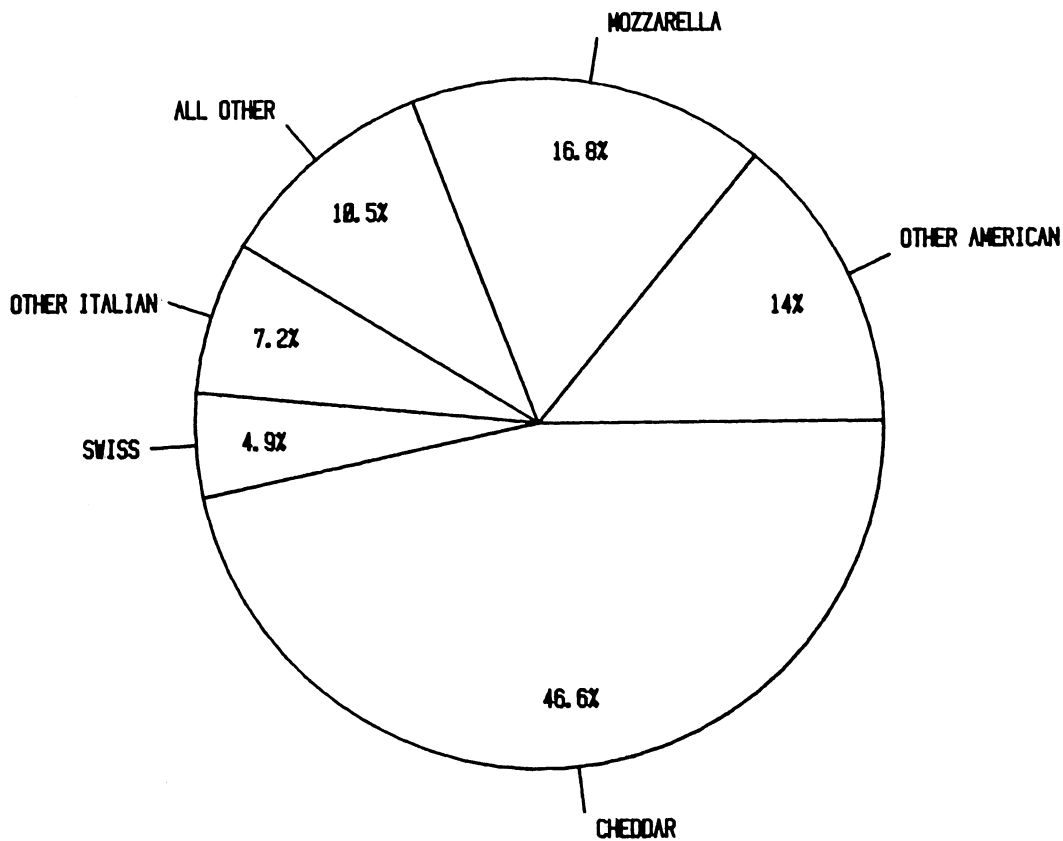
BUTTER PRODUCTION HIGHER IN 1982

Production of butter in the United States during 1982 totaled 1.26 billion pounds (570 thousand metric tons), 2 percent above the 1981 production. Wisconsin, the leading State in production, accounted for 23 percent of the total, California ranked second with 16 percent.

CHEESE OUTPUT UP 6 PERCENT

Total cheese production, excluding cottage cheese, continued its upward trend in 1982, reaching a record high 4.54 billion pounds (2.06 million metric tons), 6 percent above 1981. Wisconsin was the leading State with 36 percent of production followed by Minnesota with 12 percent and New York with 8 percent.

CHEESE PRODUCTION



American type cheese production at 2.75 billion pounds (1.25 million metric tons) was 4 percent above 1981 production and accounted for 61 percent of the total cheese produced in 1982. Cheddar increased 9 percent to 2.12 billion pounds (960 thousand metric tons) while other American varieties declined 11 percent.

Italian varieties continued their steady increase to a record 1.09 billion pounds, (493 thousand metric tons), 9 percent above the 1981 production. Mozzarella accounted for 70 percent of the Italian varieties, followed by Ricotta and Provolone at 10 percent each, and Parmesan at 6 percent. Wisconsin was by far the leading producer with 32 percent of all Italian cheese production.

Creamed cottage cheese continued to decline for 1982, down 3 percent from 1981 and totaled 749 million pounds (340 thousand metric tons). Lowfat cottage cheese production increased 4 percent to 218 million pounds (98.7 thousand metric tons).

Frozen Dairy Products. Ice cream production totaled 852 million gallons, (3.22 billion liters) 2 percent above 1981. Ice milk declined 4 percent to 280 million gallons (1.06 billion liters). Milk sherbet at 45.6 million gallons (173 million liters) was virtually unchanged. Mellorine production declined 10 percent from 1981. The 241 million gallons (913 million liters) of soft frozen products (ice cream, ice milk, sherbet, and mellorine) made during 1982 accounted for 20 percent of the total frozen dairy products. Ice milk made up the major portion (87 percent) of soft production. Soft frozen dairy products are sold from direct-serve soft freezer and milk shake machines.

Nonfat Dry Milk up 7 Percent. Nonfat dry milk for human food production at 1.40 billion pounds (635 thousand metric tons) was up 7 percent from the 1981 production. Dry buttermilk production was down 12 percent to 38.6 million pounds (17.5 thousand metric tons)

Whole Milk Used for Dairy Products. Manufactured dairy products used 60.4 percent of all milk marketed in the United States during 1982 compared with 59.6 percent in 1981. Whole milk used for manufacturing products based on milk-fat content totaled 80.6 billion pounds (36.6 million metric tons), 3 percent more than the previous year.

The equivalent whole milk used for butter production in 1982 (excluding butter made from whey cream) totaled 28.4 billion pounds (12.9 million metric tons). Butter accounted for 31.0 percent of the total milk used for all products during 1982 compared with 32 percent a year earlier.

Whole milk used for cheese (excluding creamed cottage cheese), totaled 38.9 billion pounds, (17.6 million metric tons), up from the 36.5 billion pounds (16.5 million metric tons) used in 1981. Whole milk used for cheese production utilized 48.3 percent of all milk used for manufacturing dairy products, up 1 percentage point from 1981.

TABLE 1: MILK MARKETINGS AND UTILIZATION FOR MANUFACTURED DAIRY PRODUCTS, UNITED STATES, 1963-82

MILK MARKETED			MILK MARKETED		
YEAR	TOTAL	USED FOR DAIRY PRODUCTS	YEAR	TOTAL	USED FOR DAIRY PRODUCTS
	MIL LBS	PERCENT		MIL LBS	PERCENT
1963	118,144	53.0	1973	112,141	52.3
1964	120,478	53.6	1974	112,385	54.6
1965	118,206	52.3	1975	112,337	53.9
1966	114,440	50.6	1976	117,221	55.2
1967	113,567	52.6	1977	119,831	56.0
1968	112,563	52.6	1978	118,795	55.5
1969	111,793	52.1	1979	120,942	55.8
1970	112,999	53.1	1980	126,187	58.1
1971	114,814	53.7	1981	130,696	59.6
1972	116,487	53.5	1982	133,444	60.4

WHOLE MILK USED IN MANUFACTURING

DAIRY PRODUCTS

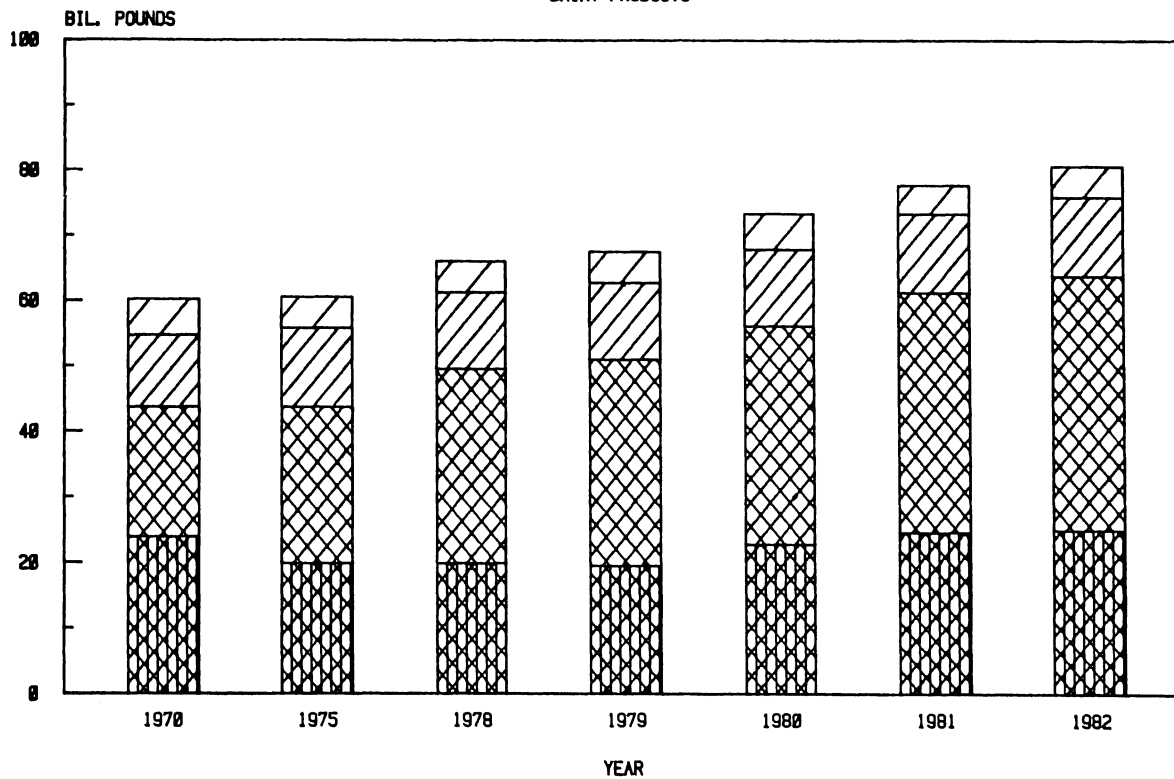


TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1981, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
BUTTER	238	123056	108399	115537	117269	115458	95884
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	389	155801	147144	169179	180976	194532	186889
OTHER AMERICAN 1/	249	58344	53490	61968	61267	63415	62638
TOTAL AMER.	483	214145	200634	231147	242243	257947	249527
PART SKIM	5	236	528	568	746	539	333
SWISS	63	18016	15385	16684	17027	18728	20679
MUNSTER	63	5491	5064	6036	6110	6083	5740
BRICK	49	1294	940	1251	1339	1418	1132
LIMBURGER	1	95	90	128	124	116	110
ITALIAN VARIETIES:							
MOZZARELLA	143	57466	50694	58969	58069	59552	58839
OTHER ITALIAN	124	24875	23612	27743	26555	24919	26243
TOTAL ITALIAN:	179	82341	74306	86712	84624	84471	85082
CREAM	22	13160	13146	23201	18371	15813	19879
NEUFCHATEL	4	379	259	519	412	534	409
BLUE 2/	11	2524	2192	2345	2903	2884	2378
ALL OTHER TYPES 3/	76	5108	5252	5474	5598	5681	5665
TOTAL CHEESE 4/	713	342789	317796	374065	379497	394214	390934
COTTAGE CHEESE:							
CURD 5/	264	51773	51385	60424	58611	56679	58354
CREAMED 6/	256	62316	61021	71223	69277	66917	68473
LOWFAT 7/	159	16128	15994	18624	18518	18765	18698
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	19	55314	54503	59819	64889	66961	68302
EVAPORATED SKIM	7	2045	1770	2392	1304	1041	1353
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	10	5707	4899	7111	6477	6993	6635
UNSWEETENED	31	13371	13085	22267	15812	16861	16311
SKIM							
SWEETENED	7	3470	3248	4568	3779	3681	3967
UNSWEETENED	90	49671	49548	56182	59461	59224	61236
CONDENSED OR							
EVAPORATED							
BUTTERMILK	11	2977	3682	3062	3021	3050	3179
DRY MILK:							
DRY WHOLE MILK	21	6637	6303	7530	7827	8379	6447
NONFAT DRY MILK							
FOR HUMAN FOOD	114	95617	96069	112783	126432	136776	129591
DRY SKIM MILK							
FOR ANIMAL FEED:	69	529	445	706	591	678	653
DRY BUTTERMILK	55	5763	4105	4022	3994	4041	3438

SEE FOOTNOTES ON PAGE 7.

TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1981, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
	1,000 POUNDS						
BUTTER	82718	82349	85173	99451	93413	109483	1228190
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	165885	151532	136874	143843	137086	163385	1933126
OTHER AMERICAN 1/	57546	58329	57159	59760	55363	59858	709137
TOTAL AMER.	223431	209861	194033	203603	192449	223243	2642263
PART SKIM	177	218	504	636	727	648	5860
SWISS	19918	18602	17287	16727	17330	18027	214410
MUNSTER	5108	5692	5456	5671	5359	5549	67359
BRICK	1108	1117	1203	1128	931	1017	13878
LIMBURGER	105	103	99	66	91	121	1248
ITALIAN VARIETIES:							
MOZZARELLA	54581	57173	58959	57768	54062	58782	684914
OTHER ITALIAN	24788	24468	25726	25141	26136	29278	309484
TOTAL ITALIAN:	79369	81641	84685	82909	80198	88060	994398
CREAM	14828	15848	22893	23537	28289	27383	236348
NEUFCHATEL	376	260	515	374	595	355	4987
BLUE 2/	2724	2312	2757	2653	2199	2343	30214
ALL OTHER TYPES 3/	5871	4956	4995	6097	5931	5968	66596
TOTAL CHEESE 4/	353015	340610	334427	343401	334099	372714	4277561
COTTAGE CHEESE:							
CURD 5/	57295	54437	52738	51406	48350	46089	647541
CREAMED 6/	69474	65116	63183	62550	58685	55086	773321
LOWFAT 7/	18883	17682	17265	17550	16088	14138	208333
CANNED MILK:							
EVAPORATED AND COND. WHOLE 8/	66804	68144	59624	62928	62054	68577	757919
EVAPORATED SKIM	1556	1304	2241	1372	1616	2496	20490
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	6107	5165	6311	6163	4869	3914	70351
UNSWEETENED	17024	17858	15932	17013	14794	15291	195619
SKIM							
SWEETENED	3627	3900	4827	4651	3479	2810	46007
UNSWEETENED	61859	62396	53241	52035	47935	46853	659641
CONDENSED OR EVAPORATED BUTTERMILK	3925	3603	3439	3854	4308	3059	41159
DRY MILK:							
DRY WHOLE MILK	7127	7891	8240	8938	8512	8893	92724
NONFAT DRY MILK							
FOR HUMAN FOOD	119727	112912	92993	92002	89292	110076	1314270
DRY SKIM MILK							
FOR ANIMAL FEED:	1019	764	602	562	496	801	7846
DRY BUTTERMILK	2632	2669	2894	3007	2979	4270	43814

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, 1982, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR-JUN
	NUMBER	1,000 POUNDS			
BUTTER	231	127253	115921	123417	334023
CHEESE TYPES:					
AMERICAN VARIETIES:					
CHEDDAR	372	164841	153645	182639	590777
OTHER AMERICAN 1/	235	54784	51777	54463	168623
TOTAL AMER.	457	219625	205422	237102	759400
PART SKIM	3	281	609	891	1951
SWISS	63	17944	15944	18472	60948
MUNSTER	53	5476	5281	5761	18612
BRICK	47	1102	1096	1172	3699
LIMBURGER	2	85	88	86	243
ITALIAN VARIETIES:					
MOZZARELLA	141	55312	53657	64551	190264
OTHER ITALIAN	124	24516	24611	30290	78678
TOTAL ITALIAN:	179	79828	78268	94841	268942
CREAM	21	17113	15375	22467	55790
NEUFCHATEL	6	449	219	366	1309
BLUE 2/	10	2429	2204	2530	8659
ALL OTHER TYPES 3/	84	6996	6544	7967	23382
TOTAL CHEESE 4/	697	351328	331050	391655	1202935
COTTAGE CHEESE:					
CURD 5/	248	49930	51577	59109	167916
CREAMED 6/	247	58560	60663	68970	197424
LOWFAT 7/	155	15952	17562	20461	61240
CANNED MILK:					
EVAPORATED AND					
COND. WHOLE 8/	18	58703	53367	61650	195638
EVAPORATED SKIM	7	1666	2263	1512	3490
BULK CONDENSED MILK:					
WHOLE					
SWEETENED	9	4853	4744	5852	18339
UNSWEETENED	26	13329	16612	20353	62514
SKIM					
SWEETENED	7	3192	3551	4793	13493
UNSWEETENED	86	41270	38336	50000	181538
CONDENSED OR					
EVAPORATED					
BUTTERMILK	13	3631	3729	4224	12885
DRY MILK:					
DRY WHOLE MILK	15	9166	7712	9282	29372
NONFAT DRY MILK					
FOR HUMAN FOOD	108	111760	107905	127531	417542
DRY SKIM MILK					
FOR ANIMAL FEED:	71	574	610	808	3168
DRY BUTTERMILK	49	4820	3938	3910	10020

SEE FOOTNOTES ON PAGE 9.



TABLE 3--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES, BY MONTHS, 1982

PRODUCTS	JUL-SEP	OCT-DEC	TOTAL	PERCENT OF 1981
1,000 POUNDS				
BUTTER	256373	299977	1256964	102.3
CHEESE TYPES:				
AMERICAN VARIETIES:				
CHEDDAR	519423	504753	2116078	109.5
OTHER AMERICAN 1/	153801	150925	634373	89.5
TOTAL AMER.	673224	655678	2750451	104.1
PART SKIM	1666	1530	6928	118.2
SWISS	56688	51089	221085	103.1
MUNSTER	18069	18482	71681	106.4
BRICK	3696	3486	14251	102.7
LIMBURGER	555	399	1456	116.7
ITALIAN VARIETIES:				
MOZZARELLA	193330	205372	762486	111.3
OTHER ITALIAN	80122	87078	325295	105.1
TOTAL ITALIAN:	273452	292450	1087781	109.4
CREAM	62146	84353	257244	108.8
NEUFCHATEL	1243	1950	5536	111.0
BLUE 2/	7538	7653	31013	102.6
ALL OTHER TYPES 3/	23055	24452	92396	138.7
TOTAL CHEESE 4/	1121332	1141522	4539822	106.1
COTTAGE CHEESE:				
CURD 5/	159151	141266	628949	97.1
CREAMED 6/	191177	172075	748869	96.8
LOWFAT 7/	54720	47637	217572	104.4
CANNED MILK:				
EVAPORATED AND COND. WHOLE 8/	183976	181587	734921	97.0
EVAPORATED SKIM	3750	6850	19531	95.3
BULK CONDENSED MILK:				
WHOLE				
SWEETENED	19547	16304	69639	99.0
UNSWEETENED	63648	47433	223889	114.5
SKIM				
SWEETENED	13284	10835	49148	106.8
UNSWEETENED	170702	150287	632133	95.8
CONDENSED OR EVAPORATED BUTTERMILK	14930	11470	50869	123.6
DRY MILK:				
DRY WHOLE MILK	22367	24327	102226	110.2
NONFAT DRY MILK FOR HUMAN FOOD	338960	296939	1400637	106.6
DRY SKIM MILK FOR ANIMAL FEED:	2853	1718	9731	124.0
DRY BUTTERMILK	6131	9813	38632	88.2

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, 1981, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	895	51757	58817	70814	69868	70266	85176
ICE MILK 1/ 2/	548	16492	18382	23917	26430	28315	33082
MILK SHERBET 1/	614	2651	2866	3584	4036	4366	5351
OTHER FROZEN							
DAIRY PRODUCTS 1/	168	1491	1733	1976	2299	2617	2429
MELLORINE TYPE							
FROZEN DESSERTS 1/		745	789	963	1115	1071	1285
WATER ICES 1/	212	1644	2156	3104	3582	3965	5047
MIX FOR PRODUCTS:							
ICE CREAM MIX	641	26660	29704	35742	35543	36231	44418
ICE MILK MIX 3/	658	10544	11057	14927	16804	18032	21078
MILK SHERBET MIX	471	1795	1872	2374	2631	2831	3552
MELLORINE MIX	89	410	439	538	607	615	722

SEE FOOTNOTES ON PAGE 11.

TABLE 5--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1981, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	23	4146	3681	5112	5864	7030	6293
ANIMAL FEED	6	2517	2074	803	1867	1345	1372
ACID TYPE:							
HUMAN FOOD							
ANIMAL FEED	8	630	1105	1247	2100	1830	2103
TOTAL COND.	35	7293	6860	7162	9831	10205	9768
DRY WHEY:							
HUMAN FOOD	53	51075	48839	52336	48435	52195	49544
ANIMAL FEED	74	13816	12648	16265	16883	17285	17856
TOTAL DRY	88	64891	61487	68601	65318	69480	67400
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	10	5753	3513	3974	4371	4126	4633
ANIMAL FEED	14	7400	7801	8281	8740	9856	10471
PART DEMINERALIZE:							
HUMAN FOOD	3	2252	2411	2020	2760	2323	2832
ANIMAL FEED	2		17		2	8	
PART DELACTOSED & DEMINERALIZED							
HUMAN FOOD	4	303	262	270	176	351	359
ANIMAL FEED	1	12	12	14	10	10	16
LACTOSE							
HUMAN FOOD	21	12744	10380	13528	13818	13348	14140
ANIMAL FEED	6	1401	1525	1564	1541	1624	2170
TOTAL LACTOSE:	24	14145	11905	15092	15359	14972	16310
WHEY SOLIDS IN WET BLENDS							
HUMAN FOOD	10	3456	3205	3410	3427	3994	3545
ANIMAL FEED	9	10376	10289	12117	10326	9418	9755

SEE FOOTNOTES ON PAGE 11.

TABLE 4--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, 1981, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 GALLONS							
FROZEN PRODUCTS:							
ICE CREAM	89249	81342	74431	64750	56936	59044	832450
ICE MILK 2/ MILK SHERBET	33638	30223	24986	21182	17756	16589	290992
OTHER FROZEN DAIRY PRODUCTS	5631	4805	3836	3050	2543	3013	45732
MELLORINE TYPE FROZEN DESSERTS	2562	2362	1869	1559	1563	1543	24003
WATER ICES	1210	1034	940	856	628	555	11191
MIX FOR PRODUCTS:	5377	3893	2281	1325	973	997	34344
ICE CREAM MIX	46212	41992	37611	32939	28665	29216	424933
ICE MILK MIX 3/ MILK SHERBET MIX	21531	19328	15879	13555	11283	10496	184514
MELLORINE MIX	3737	3139	2507	1945	1677	1883	29943
	680	593	592	474	365	338	6373

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, 1981, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
CONDENSED WHEY SOLIDS CONTENT 1/ SWEET TYPE:							
HUMAN FOOD	6459	6938	7785	5927	6906	8089	74230
ANIMAL FEED	1343	1408	512	865	745	855	15706
ACID TYPE:							
HUMAN FOOD							
ANIMAL FEED	1458	1715	2306	2267	3527	2738	23026
TOTAL COND.	9260	10061	10603	9059	11178	11682	112962
DRY WHEY:							
HUMAN FOOD	47065	47305	47136	46722	48714	54866	594232
ANIMAL FEED	21394	11731	13392	14371	12826	16021	184488
TOTAL DRY	68459	59036	60528	61093	61540	70887	778720
MODIFIED DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	3322	3471	3125	3091	2568	3233	45180
ANIMAL FEED	9144	7887	6740	6599	6342	5982	95243
PART DEMINERALIZE:							
HUMAN FOOD	2428	2877	2198	2444	2564	2399	29508
ANIMAL FEED	6	6	4	2			45
PART DELACTOSED & DEMINERALIZED							
HUMAN FOOD	303	244	255	245	363	275	3406
ANIMAL FEED	10	10	11	14	25	19	163
LACTOSE							
HUMAN FOOD	13116	11590	11193	9608	9235	10389	143089
ANIMAL FEED	2134	1708	1674	1295	1230	1135	19001
TOTAL LACTOSE:	15250	13298	12867	10903	10465	11524	162090
WHEY SOLIDS IN WET BLENDS							
HUMAN FOOD	2978	2847	3118	2747	2943	3305	38975
ANIMAL FEED	9802	9020	9733	10937	9823	9804	121400

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.

TABLE 6--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, 1982

PRODUCTS	PLANTS	JAN	FEB	MAR	APR-JUN
	NUMBER	1,000 GALLONS			
FROZEN PRODUCTS:					
ICE CREAM 1/	884	50822	58877	75068	236122
ICE MILK 1/ 2/	524	14677	17277	23693	84108
MILK SHERBET 1/	608	2607	2681	3828	13858
OTHER FROZEN					
DAIRY PRODUCTS 1/	146	1482	1691	2434	7935
MELLORINE TYPE					
FROZEN DESSERTS 1/	67	574	660	889	3028
WATER ICES 1/	212	1485	1970	2923	13053
MIX FOR PRODUCTS:					
ICE CREAM MIX	627	25805	29775	37870	120740
ICE MILK MIX 3/	639	8836	10552	14717	53647
MILK SHERBET MIX	463	1727	1766	2434	9008
MELLORINE MIX	78	373	407	542	1795

SEE FOOTNOTES ON PAGE 13.

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1982

PRODUCTS	PLANTS	JAN	FEB	MAR	APR-JUN
	NUMBER	1,000 POUNDS			
CONDENSED WHEY					
SOLIDS CONTENT 1/					
SWEET TYPE:					
HUMAN FOOD	23	7868	7848	10152	23730
ANIMAL FEED	6	2861	1305	1716	4407
ACID TYPE:					
HUMAN FOOD					
ANIMAL FEED	7	2751	2557	1970	5011
TOTAL COND.	32	13480	11710	13838	33148
DRY WHEY:					
HUMAN FOOD	50	50450	46358	54541	159912
ANIMAL FEED	69	13934	14153	14755	50549
TOTAL DRY	80	64384	60511	69296	210461
MODIFIED					
DRY WHEY PRODUCTS					
PART DELACTOSED					
HUMAN FOOD	11	3134	3589	5118	13334
ANIMAL FEED	10	6211	5987	9081	21160
PART DEMINERALIZE:					
HUMAN FOOD	1	2471	3023	2982	7884
WHEY PROTEIN					
CONCENTRATE					
HUMAN FOOD	24	4149	2468	4157	16768
ANIMAL FEED	12	1099	1977	1566	4107
LACTOSE					
HUMAN FOOD	21	10190	9956	11420	34190
ANIMAL FEED	7	1168	1024	1607	4614
TOTAL LACTOSE:	22	11358	10980	13027	38804
WHEY SOLIDS IN					
WET BLENDS					
HUMAN FOOD	12	1865	1953	2525	4779
ANIMAL FEED	9	9599	9790	11419	29444

SEE FOOTNOTES ON PAGE 13.

TABLE 6--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES, BY MONTHS, TO 1982

PRODUCTS	JUL-SEP	OCT-DEC	PERCENT	
			TOTAL	OF 1981
1,000 GALLONS				
FROZEN PRODUCTS:				
ICE CREAM	245964	184863	851716	102.3
ICE MILK 2/ MILK SHERBET	86372	54240	280367	96.3
OTHER FROZEN	13898	8703	45575	99.7
DAIRY PRODUCTS	6747	4769	25058	104.4
MELLORINE TYPE				
FROZEN DESSERTS	2889	2013	10053	89.8
WATER ICES	11993	3734	35158	102.4
MIX FOR PRODUCTS:				
ICE CREAM MIX	126781	93359	434330	102.2
ICE MILK MIX 3/ MILK SHERBET MIX	55186	34808	177746	96.3
MELLORINE MIX	13431	5644	34010	113.6
	1749	1160	6026	94.6

1/ PLANT COUNT DOES NOT INCLUDE COUNTER-FREEZERS.

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

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, U.S., BY MONTHS, 1982

PRODUCTS	JUL-SEP	OCT-DEC	PERCENT	
			TOTAL	OF 1981
1,000 POUNDS				
CONDENSED WHEY				
SOLIDS CONTENT 1/ SWEET TYPE:				
HUMAN FOOD	23358	22586	95542	128.7
ANIMAL FEED	6582	7261	24132	153.6
ACID TYPE:				
HUMAN FOOD				
ANIMAL FEED	5119	4570	21978	95.4
TOTAL COND.	35059	34417	141652	125.4
DRY WHEY:				
HUMAN FOOD	146745	153489	611495	102.9
ANIMAL FEED	46427	39189	179007	97.0
TOTAL DRY	193172	192678	790502	101.5
MODIFIED				
DRY WHEY PRODUCTS				
PART DELACTOSED				
HUMAN FOOD	11213	10931	47319	104.7
ANIMAL FEED	22580	20176	85195	89.5
PART DEMINERALIZE:				
HUMAN FOOD	7048	7702	31110	105.4
WHEY PROTEIN				
CONCENTRATE				
HUMAN FOOD	13674	11945	53161	
ANIMAL FEED	4736	3905	17390	
LACTOSE				
HUMAN FOOD	31798	29879	127433	89.1
ANIMAL FEED	4101	4409	16923	89.1
TOTAL LACTOSE:	35899	34288	144356	89.1
WHEY SOLIDS IN				
WET BLENDS				
HUMAN FOOD	4896	6131	22149	56.8
ANIMAL FEED	26034	27890	114176	94.0

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.

TABLE 8--BUTTER  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	20172	17724	19364	51237	45604
COLO	656	495	393	728	462
IDAHO	1439	1143	1252	4049	3702
ILL					
IND	2033	2008	819	5090	3466
IOWA	2613	2370	2245	7059	4797
KANS	1680	1359	1319	3871	2803
MICH	4581	4479	5288	15407	10615
MINN	15790	14828	16738	49288	41769
MO	3911	3150	3651	8883	6137
MONT	266	237	223	472	380
N Y	5378	4685	4595	13009	6323
N DAK	410	436	501	1406	1225
OHIO	3223	2736	4079	8867	5887
OKLA	1188	1117	1187	2721	1518
OREG	1383	1611	2160	5242	3876
PA	6831	5957	6620	18721	13467
S DAK	730	634	748	2197	1735
TENN	4153	3580	3141	5321	2969
UTAH	936	715	776	2201	1530
WASH	4324	3809	4197	13605	14890
WIS	29700	28907	30044	78195	57281
OTHER 1/	15856	13941	14077	36454	25937
U S	127253	115921	123417	334023	256373

SEE FOOTNOTES ON PAGE 15.

TABLE 9--SWISS CHEESE  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
ILL	4070	3846	4256	14140	13448
OHIO	3112	2575	3037	10669	10773
PA	425	386	478	1595	1430
UTAH 2/	1832	1723	1825	5799	5996
WIS	2910	2653	3217	10622	9024
OTHER 1/	5595	4761	5659	18123	16017
U S	17944	15944	18472	60948	56688

SEE FOOTNOTES ON PAGE 15.

TABLE 8--BUTTER  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	48628		19	192349	18	202729
COLO	1051		3	4971	3	3785
IDAHO	2781		5	14245	4	14366
ILL			3	2753		
IND	3797		3	19635	4	17213
IOWA	4946		6	21797	6	24030
KANS	3865		2	18661	2	14897
MICH	14684		9	43790	9	55054
MINN	40813		30	176122	29	179226
MO	7556		2	37170	3	33288
MONT	613		9	2082	9	2191
N Y	8893		21	48498	21	42883
N DAK	1276		7	5988	7	5254
OHIO	8794		7	33351	7	33586
OKLA	3991				3	11722
OREG	3251		10	14890	10	17523
PA	14714		12	69205	13	66310
S DAK	1820		8	9420	5	7864
TENN	8165		3	26785	3	27329
UTAH	1712		6	7947	7	7870
WASH	15457		9	42597	8	56282
WIS	64471		32	295178	30	288598
OTHER 1/	38699		32	140756	30	144964
U S	299977		238	1228190	231	1256964

TABLE 9--SWISS CHEESE  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
ILL	11565		9	48551	9	51325
OHIO	9935		17	35562	17	40101
PA	1291		5	5120	5	5605
UTAH 2/	5880		2	22156	2	23055
WIS	8246		21	37871	20	36672
OTHER 1/	14172		9	65150	10	64327
U S	51089		63	214410	63	221085

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

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

TABLE 10--TOTAL CHEESE, EXCLUDING COTTAGE CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
ARK	1572	1371	1962	8890	6744
CALIF	17945	16355	20127	62109	67096
CONN					
IDAHO	11429	10034	10704	34754	34845
ILL	7408	7276	8524	25904	24651
IND	4200	4375	5243	17446	14941
IOWA	16899	14044	17589	51337	51074
KANS	2405	2617	3267	10477	7231
KY	4043	4221	5103	17593	13094
MASS	604	741	995	2179	2211
MICH	2703	2508	2975	9395	9528
MINN	49503	46029	51724	151566	128546
MISS	1001	1035	1377	3566	1923
MO	8537	8518	11014	36116	31400
NEBR	5384	5345	6433	19387	20136
N J	5672	5039	6213	14995	15889
N Y	27227	25385	33169	87564	84610
N DAK	3991	3660	4363	14393	12991
OHIO	7460	6762	7935	25272	23438
OREG	2846	2505	2811	9513	9072
PA	10326	9760	11378	33975	30794
S DAK	7270	6816	7684	25481	22319
TENN	2800	2489	3153	9826	8804
UTAH	7055	6146	7184	25946	24117
VT	7579	7639	8195	27294	23369
VA	574	546	633	1794	1242
WASH	3346	3477	3393	12488	13595
WIS	124727	118547	138455	436898	420356
OTHER 1/	6822	7810	10052	26777	17316
U S	351328	331050	391655	1202935	1121332

SEE FOOTNOTES ON PAGE 17.

TABLE 11--BRICK CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
ILL	25		1	5	9
VA	107	201	27		
WIS	630	607	757	2134	2398
OTHER 1/	340	288	387	1560	1289
U S	1102	1096	1172	3699	3696

SEE FOOTNOTES ON PAGE 17.



TABLE 10--TOTAL CHEESE, EXCLUDING COTTAGE CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	1,000 LBS	NUMBER	1,000 LBS	
ARK	5295	4	23189	4	25834	
CALIF	64782	33	210595	34	248414	
CONN		6	5523			
IDAHO	34000	14	122525	14	135766	
ILL	23532	23	98788	21	97295	
IND	17757	6	53900	6	63962	
IOWA	55506	13	213860	13	206449	
KANS	7832	9	30431	9	33829	
KY	12834	10	50338	9	56888	
MASS	2380	9	8559	9	9110	
MICH	8665	15	36395	13	35774	
MINN	140062	28	558004	28	567430	
MISS	2196	4	10342	4	11098	
MO	35867	14	115939	14	131452	
NEBR	19666	12	69490	12	76351	
N J	18518	9	61166	7	66326	
N Y	99954	45	330140	41	357909	
N DAK	10461	10	51706	9	49859	
OHIO	23196	23	96500	22	94063	
OREG	8024	6	38069	6	34771	
PA	30922	21	113160	22	127155	
S DAK	22513	17	85470	17	92083	
TENN	7403	8	32988	7	34475	
UTAH	22941	10	85877	10	93389	
VT	22837		82859	11	96913	
VA	1168	2	7456	2	5957	
WASH	13407	7	46456	7	49706	
WIS	405546	331	1560171	314	1644529	
OTHER 1/	24258	24	77665	32	93035	
U S	1141522	713	4277561	697	4539822	

TABLE 11--BRICK CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	1,000 LBS	NUMBER	1,000 LBS	
ILL	8				3	48
VA			1	173	1	335
WIS	2341		32	8525	29	8867
OTHER 1/	1137		16	5180	14	5001
U S	3486		49	13878	47	14251

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

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
1,000 POUNDS					
CALIF	7494	6724	5995	23139	27623
IDAHO	8589	7594	8257	27630	27290
ILL	215	232	293	700	477
IND	4090	4275	5076	16704	14593
IOWA	9402	6923	8245	25640	23317
KANS	1931	2166	2762	8995	5669
KY	2667	2955	3946	13192	9484
MICH	1772	1547	1762	5717	5798
MINN	43648	40581	45649	134574	113803
MISS	984	1018	1360	3515	1872
MO	4711	4294	5349	20729	15248
NEBR	1636	1506	1589	5827	5726
N Y	5958	6180	7218	21882	18718
N DAK	3991	3660	4363	14393	12991
OHIO	3019	2854	3379	10530	8800
OREG	2832	2484	2784	9449	9008
S DAK	5286	4941	5396	17408	15316
TENN	1548	1393	1749	5460	5198
UTAH	5209	4400	5330	20118	18033
VT	2495	2575	2753	9348	6915
VA	391	146	516	1125	15
WASH	2560	2476	2333	9253	9667
WIS	85661	80947	94442	305003	281440
OTHER 2/	13536	13551	16556	49069	36223
U S	219625	205422	237102	759400	673224

SEE FOOTNOTES ON PAGE 19.

TABLE 13--MUNSTER CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
1,000 POUNDS					
ILL					
VA		102			
WIS	4405	4129	4702	14864	14326
OTHER 2/	1071	1050	1059	3748	3743
U S	5476	5281	5761	18612	18069

SEE FOOTNOTES ON PAGE 19.

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	24923		16	70996	18	95898
IDAHO	24451		14	94187	14	103811
ILL	494				7	2411
IND	17439		6	53821	5	62177
IOWA	23527		10	103871	10	97054
KANS	5906		7	25835	7	27429
KY	8469		7	36123	7	40713
MICH	5012		9	21805	7	21608
MINN	123364		20	490734	21	501619
MISS	2145		4	10138	4	10894
MO	14407		12	57180	12	64738
NEBR	5435		7	24238	5	21719
N Y	17354		15	74614	14	77310
N DAK	10461		10	51706	9	49859
OHIO	9340		8	42516	8	37922
OREG	7961		5	37831	5	34518
S DAK	15465		16	59593	15	63812
TENN	3926		7	20834	5	19274
UTAH	17031		10	63454	10	70121
VT	6451		10	26306	7	30537
VA	15		2	5696	2	2208
WASH	9161		5	30533	5	35450
WIS	263840		249	1081920	234	1111333
OTHER 2/	39101		34	158332	26	168036
U S	655678		483	2642263	457	2750451

TABLE 13--MUNSTER CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
ILL			7	4403		
VA			1	182	1	102
WIS	14870		46	53389	39	57296
OTHER 2/	3612		9	9385	13	14283
U S	18482		63	67359	53	71681

1/ INCLUDES CHEDDAR, COLBY, WASHED CURD, STIRRED CURD, MONTEREY AND JACK.

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

TABLE 14--CHEDDAR CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	6164	5310	4696	18767	22374
IDAHO	4551	3371	4257	14689	14454
ILL	12	27	39	113	50
KANS	1922	2159	2756	8958	5616
KY	2191	2710	3107	9090	8006
MICH					
MINN	33571	31219	35620	104570	88788
MISS	984	1018	1360	3515	1872
MO	3662	3358	4193	16863	11950
N Y	5498	5673	6674	20574	17292
N DAK	3991	3658	4363	14390	12988
S DAK	2745	2732	4635	14983	11982
UTAH	4781	3605	4429	17721	15928
VA	92	87	489	818	15
WIS	66374	63148	74995	247610	226618
OTHER 1/	28303	25570	31026	98116	81490
U S	164841	153645	182639	590777	519423

TABLE 15--BLUE CHEESE 2/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
WIS	1352	1129	1605	5356	4263
OTHER 1/	1077	1075	925	3303	3275
U S	2429	2204	2530	8659	7538

SEE FOOTNOTES ON PAGE 21.

TABLE 14--CHEDDAR CHEESE  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	21411		14	57138	15	78722
IDAHO	13429		12	46197	12	54751
ILL	47				3	288
KANS	5840		6	4496	7	27251
KY	7720		6	27225	5	32824
MICH			5	3808		
MINN	95685		16	368529	16	389453
MISS	2145		4	10138	4	10894
MO	11488		8	40937	8	51514
N Y	16028		15	68174	14	71739
N DAK	10458		10	51694	9	49848
S DAK	10574		14	38758	13	47651
UTAH	15187		10	52047	10	61651
VA	15		1	2716	1	1516
WIS	207093		199	854662	190	885838
OTHER 1/	87633		69	306607	65	352138
U S	504753		389	1933126	372	2116078

TABLE 15--BLUE CHEESE 2/  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
WIS	4097		5	18112	4	17802
OTHER 1/	3556		6	12102	6	13211
U S	7653		11	30214	10	31013

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

2/ INCLUDES GORGONZOLA.

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	1330	1414	1299	4372	5249
IDAHO	4038	4223	4000	12941	12836
ILL	203	205	254	587	427
KY	476	245	839	4102	1478
MICH					
MINN	10077	9362	10029	30004	25015
MO	1049	936	1156	3866	3298
N Y	460	507	544	1308	1426
OHIO	2662	2432	2922	8531	7274
S DAK	2541	2209	761	2425	3334
UTAH	428	795	901	2397	2105
VA	299	59	27	307	
WIS	19287	17799	19447	57393	54822
OTHER 2/	11934	11591	12284	40390	36537
U S	54784	51777	54463	168623	153801

TABLE 17--CREAM CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	574	735	1164	2333	2322
N Y	5735	4013	6218	17260	19128
OTHER 2/	10804	10627	15085	36197	40696
U S	17113	15375	22467	55790	62146

SEE FOOTNOTES ON PAGE 23.

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	1,000 LBS	NUMBER	1,000 LBS	
CALIF	3512	13	13858	16	17176	
IDAHO	11022	11	47990	11	49060	
ILL	447	7	3125	6	2123	
KY	749	3	8898	4	7889	
MICH		7	17997			
MINN	27679	5	122205	6	112166	
MO	2919	8	16243	7	13224	
N Y	1326	6	6440	7	5571	
OHIO	7662	7	37360	8	31483	
S DAK	4891	7	20835	7	16161	
UTAH	1844	7	11407	7	8470	
VA		1	2980	1	692	
WIS	56747	128	227258	113	225495	
OTHER 2/	32127	39	172541	42	144863	
U S	150925	249	709137	235	634373	

TABLE 17--CREAM CHEESE  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	1,000 LBS	NUMBER	1,000 LBS	
CALIF	3683	4	8565	4	10811	
N Y	25305	6	69116	5	77659	
OTHER 2/	55365	12	158667	12	168774	
U S	84353	22	236348	21	257244	

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

TABLE 18--ITALIAN CHEESE, TOTAL  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	8770	7721	11635	32847	33077
CONN					
ILL	2093	2236	2893	7750	7239
MASS	471	618	849	1758	1814
MINN					
NEBR	3748	3839	4844	13557	14409
N J	2292	2366	3099	6795	7115
N Y	13760	13669	17817	42530	41511
PA	4982	4653	5517	16556	14753
VT					
VA	73	94	87	660	1193
WASH	786	1001	1060	3235	3928
WIS	25011	24676	27677	84083	90704
OTHER 1/	17842	17395	19363	59171	57709
U S	79828	78268	94841	268942	273452

TABLE 19--MOZZARELLA AND SIMILARS  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	7944	6855	10628	30378	30699
ILL	1128	1144	1314	3995	3825
MINN					
NEBR	3418	3460	4468	12135	13044
N J	917	902	1100	2747	3165
N Y	9257	8881	10035	28626	27027
PA	2926	2752	3288	10116	8868
VA	73	94	87	660	1193
WIS	17425	16803	19141	56912	62056
OTHER 1/	12224	12766	14490	44695	43453
U S	55312	53657	64551	190264	193330

SEE FOOTNOTES ON PAGE 25.



TABLE 18--ITALIAN CHEESE, TOTAL  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	32315		12	121916	12	126365
CONN			5	5502		
ILL	7956		8	28726	8	30167
MASS	2012				4	7522
MINN			6	39778		
NEBR	14231		7	45247	7	54628
N J	9704		7	27360	7	31371
N Y	51771		23	166208	22	181058
PA	16589		12	52995	12	63050
VT			4	36770		
VA	1144		1	952	1	3251
WASH	4246		3	15923	3	14256
WIS	91787		57	306796	59	343938
OTHER 1/	60695		34	146225	44	232175
U S	292450		179	994398	179	1087781

TABLE 19--MOZZARELLA AND SIMILARS  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	29469		10	111531	11	115973
ILL	4354		7	14113	8	15760
MINN			4	11533		
NEBR	13130				7	49655
N J	3686		5	11182	5	12517
N Y	33360		14	106689	15	117186
PA	9613		10	31771	10	37563
VA	1144		1	952	1	3251
WIS	63016		47	205802	44	235353
OTHER 1/	47600		45	191341	40	175228
U S	205372		143	684914	141	762486

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	826	866	1007	2469	2378
ILL	965	1092	1579	3755	3414
MASS	408	530	726	1528	1557
MINN					
NEBR	330	379	376	1422	1365
N J	1375	1464	1999	4048	3950
N Y	4503	4788	7782	13904	14484
PA	2056	1901	2229	6440	5885
WIS	7586	7873	8536	27171	28648
OTHER 1/	6467	5718	6056	17941	18441
U S	24516	24611	30290	78678	80122

SEE FOOTNOTES ON PAGE 27.

TABLE 21--ITALIAN CHEESE PRODUCTION IN THE UNITED STATES, 1981 AND 1982

TYPES	1981	1982	1982 AS % OF 1981
	1,000 POUNDS		PERCENT
HARD:			
PROVOLONE AND SIMILARS	100,548	106,534	106
ROMANO AND SIMILARS	18,175	21,492	118
PARMESAN AND SIMILARS	65,474	68,072	104
OTHER HARD	5,560	7,939	143
TOTAL HARD	189,757	204,037	108
SOFT:			
MOZZARELLA AND SIMILARS	684,914	763,657	111
RICOTTA AND SIMILARS	112,824	110,236	98
OTHER SOFT	6,903	9,851	143
TOTAL SOFT	804,641	883,744	110
TOTAL HARD AND SOFT	994,398	1,087,781	109

B. BY REGIONS

REGION	HARD TYPES		SOFT TYPES		TOTAL (HARD AND SOFT)	
	1981	1982	1981	1982	1981	1982
	1,000 POUNDS					
NORTH AND SOUTH ATLANTIC	24,186	30,786	275,938	306,232	300,124	337,018
EAST NORTH CENTRAL	106,273	114,872	248,889	279,622	355,162	394,494
WEST NORTH CENTRAL	51,749	52,231	114,890	129,411	166,639	181,642
SOUTH CENTRAL	4,111	2,765	16,331	19,885	20,442	22,650
WEST	3,438	3,383	148,593	148,594	152,031	151,977
U S	189,757	204,037	804,641	883,744	994,398	1,087,781

TABLE 20--OTHER ITALIAN TYPES  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC		1981		1982	
	1,000 POUNDS		PLANTS	PRODUCTION	PLANTS	PRODUCTION
	NUMBER	1,000 LBS	NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	2846		7	10385	6	10392
ILL	3602		5	14613	5	14407
MASS	1736				4	6485
MINN			3	28245		
NEBR	1101				6	4973
N J	6018		6	16178	6	18854
N Y	18411		20	59519	19	63872
PA	6976		12	21224	12	25487
WIS	28771		34	100994	37	108585
OTHER 1/	17617		37	58326	29	72240
U S	87078		124	309484	124	325295

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

TABLE 22--CHEESE, PROCESSED CHEESE FOODS AND SPREADS, AND  
COLD PACK: PRODUCTION, UNITED STATES, 1975-82 1/ 2/

YEAR	PROCESSED CHEESE		PROCESSED CHEESE : FOODS & SPREADS		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
1975	38	726,767	36	682,895	22	39,535	54	1,449,197
1976	35	845,201	34	526,581	24	38,467	57	1,410,249
1977	36	866,556	31	671,340	27	40,991	60	1,578,897
1978	33	845,273	31	669,965	26	48,004	58	1,563,242
1979	35	834,693	36	656,932	25	44,468	64	1,536,093
1980	38	1,009,164	37	652,807	27	51,719	62	1,713,690
1981	38	1,001,055	34	671,494	22	51,018	61	1,723,567
1982	38	938,967	39	697,954	27	66,022	63	1,702,943

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

TABLE 23--ALL OTHER TYPES OF CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	1107	1175	1333	3785	4074
IND					
MASS	127	116	139	405	362
MISS	17	17	17	51	51
N Y	558	523	701	1842	1693
VA	3	3	3	9	34
WIS	1871	1811	2118	6399	7672
OTHER 2/	3313	2899	3656	10891	9169
U S	6996	6544	7967	23382	23055

TABLE 24--LOWFAT COTTAGE CHEESE 3/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
ALA	98	109	128	317	303
ARIZ	221	233	243	666	577
CALIF	4006	3862	4519	12926	12849
COLO	555	523	682	1837	1693
IDAHO	69	71	98	248	233
ILL	322	299	406	1124	1006
IOWA	177	259	239	1192	1151
KANS	194	183	235	681	726
MICH	166	128	169	474	423
MO	245	249	330	907	841
N Y	2922	3667	4244	11811	11222
N C					
N DAK	260	246	245	660	599
OHIO	1280	1822	2132	5517	4288
OKLA	195	193	233	705	598
OREG	121	120	128	387	377
PA	1338	1399	1499	7230	4581
TENN	43	41	54	200	327
TEX	271	399	482	1209	1233
WASH	410	421	433	2310	1969
WIS	543	579	730	1799	1428
OTHER 2/	2516	2759	3232	9040	8296
U S	15952	17562	20461	61240	54720

SEE FOOTNOTES ON PAGE 29.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	1,000 LBS	NUMBER	1,000 LBS	
CALIF	3861	13	9109	17	15335	
IND		1	79			
MASS	359	5	1503	4	1508	
MISS	51	1	204	1	204	
N Y	1870	6	7060	8	7187	
VA	9			2	61	
WIS	6879	23	18018	25	26750	
OTHER 2/	11423	27	30623	27	41351	
U S	24452	76	66596	84	92396	

TABLE 24--LOWFAT COTTAGE CHEESE 3/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	1,000 LBS	NUMBER	1,000 LBS	
ALA	291	3	1420	3	1246	
ARIZ	525			3	2465	
CALIF	11134	11	51304	12	49296	
COLO	1524	3	7051	3	6814	
IDAHO	197	2	904	2	916	
ILL	787	7	3776	5	3944	
IOWA	943	3	2221	4	3961	
KANS	596	5	2487	5	2615	
MICH	344	4	1842	5	1704	
MO	818	5	3313	5	3390	
N Y	8939	9	40243	9	42805	
N C		3	718			
N DAK	543	1	2607	1	2553	
OHIO	3752	15	15201	15	18791	
OKLA	529	6	2385	6	2453	
OREG	330	10	1500	10	1463	
PA	4356	8	17222	9	20403	
TENN	290	3	572	4	955	
TEX	1091	7	3572	7	4685	
WASH	1804	9	5178	7	7347	
WIS	1092	8	6588	8	6171	
OTHER 2/	7752	37	38229	32	33595	
U S	47637	159	208333	155	217572	

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.

TABLE 25--CREAMED COTTAGE CHEESE 1/  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
ALA	148	160	158	470	475
CALIF	7240	6699	7708	21973	21973
COLO	1043	1082	1266	3536	3590
IDAHO	233	222	281	778	765
ILL	2667	2792	3255	9451	9975
IND	2264	2286	2685	8154	8933
IOWA	1324	1364	1855	4893	4577
KANS	1402	1484	1624	4850	5076
MICH	3190	3094	3449	10138	10431
MO	1730	1833	2220	6258	6295
MONT	421	436	493	1515	1497
NEBR	575	523	449	1197	1129
N MEX	600	633	651	2123	2254
N Y	8561	8612	9933	29189	27606
N C	359	347	413	742	495
N DAK	320	311	360	906	889
OHIO	4389	4761	5119	14342	12678
OKLA	845	791	962	2631	2736
OREG	1109	1088	1189	3596	3338
PA	3129	3577	4049	11544	11297
TENN	662	676	815	2313	2289
TEX	1887	1867	2187	5952	5326
UTAH	488	482	597	1734	1620
VT					
VA	813	979	1039	3007	2971
WASH	1782	2046	1954	6931	6672
WIS	3821	4205	4921	13513	11833
OTHER 2/	7558	8313	9338	25688	24457
U S	58560	60663	68970	197424	191177

SEE FOOTNOTES ON PAGE 31.

TABLE 25--CREAMED COTTAGE CHEESE 1/  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC		1981		1982	
	1,000 POUNDS		PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
ALA	444		4	1972	4	1855
CALIF	19670		13	92152	14	85263
COLO	3210		6	14259	4	13727
IDAHO	666		3	3119	3	2945
ILL	10510		7	35236	8	38650
IND	8086		9	28954	10	32408
IOWA	4042		6	17384	5	18055
KANS	4412		7	19046	7	18848
MICH	9822		8	38308	8	40124
MO	5962		5	28623	5	24298
MONT	1216		8	5635	8	5578
NEBR	1028		5	5757	5	4901
N MEX	2179		3	7374	3	8440
N Y	23029		15	108213	15	106930
N C	483		4	5779	4	2839
N DAK	826		1	3903	1	3612
OHIO	10768		23	58922	22	52057
OKLA	2324		8	10005	7	10289
OREG	2999		13	14903	13	13319
PA	10057		15	43439	14	43653
TENN	2141		7	6034	7	8896
TEX	5143		12	24072	12	22362
UTAH	1449		3	6651	3	6370
VT			6	7347		
VA	2721		4	11454	4	11530
WASH	6341		11	24046	11	25726
WIS	9278		10	60647	10	47571
OTHER 2/	23269		40	90087	40	98623
U S	172075		256	773321	247	748869

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

TABLE 26--COTTAGE CHEESE CURD 1/  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
ALA	157	172	180	458	427
CALIF	7435	6956	8102	23280	22677
COLO	976	983	1224	3352	3225
IDAHO	180	175	226	616	586
ILL	2321	2429	2789	7971	7368
IND	1346	1340	1569	4702	4995
IOWA	890	972	1253	3562	3410
KANS	933	983	1092	3194	3289
MD 3/	689	630	848	2394	2325
MICH	1919	1908	2128	5643	5747
MO	1294	1225	1793	4316	4214
MONT	286	292	325	1008	985
NEBR	345	344	300	779	696
N MEX	425	428	504	1464	1473
N Y	7722	8085	9507	27579	26390
N C	225	229	257	519	371
N DAK	294	313	352	946	902
OHIO	3713	4307	4487	12614	11150
OKLA	589	548	665	1831	1780
OREG	712	716	794	2440	2188
PA	3075	3378	3798	10896	10379
TENN	434	441	517	1498	1598
TEX	1321	1302	1504	4240	4052
UTAH	435	416	517	1516	1407
VT					
VA	627	758	800	2327	2289
WASH	1755	1669	1795	5445	5048
WIS	2729	2947	3469	9472	7927
OTHER 2/	7103	7631	8314	23854	22253
U S	49930	51577	59109	167916	159151

SEE FOOTNOTES ON PAGE 33.



TABLE 26--COTTAGE CHEESE CURD 1/  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC		1981		1982	
	1,000 POUNDS		PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
ALA	470		4	2150	4	1864
CALIF	19620		13	97476	13	88070
COLO	2845		6	13322	4	12605
IDAHO	512		3	2416	3	2295
ILL	6564		9	28776	8	29442
IND	4559		9	17036	10	18511
IOWA	3158		6	11455	5	13245
KANS	2916		8	12442	7	12407
MD 3/	1951				3	8837
MICH	5395		7	22936	7	22740
MO	3803		5	18992	5	16645
MONT	798		8	4116	8	3694
NEBR	641		5	3707	5	3105
N MEX	1312		3	5231	3	5606
N Y	22013		16	97582	16	101296
N C	331		4	3636	4	1932
N DAK	849		1	3875	1	3656
OHIO	10051		23	47870	21	46322
OKLA	1635		8	6827	7	7048
OREG	1942		13	9382	13	8792
PA	9463		14	41290	14	40989
TENN	1493		7	3961	7	5981
TEX	3671		12	15826	12	16090
UTAH	1256		3	6022	3	5547
VT			6	11033		
VA	2070		5	8227	4	8871
WASH	4762		11	22452	11	20474
WIS	6399		10	40778	10	32943
OTHER 2/	20787		45	88725	40	89942
U S	141266		264	647541	248	628949

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.

TABLE 27--CONDENSED MILK, BULK PRODUCTS  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
SWEETENED CONDENSED WHOLE MILK 1,000 POUNDS					
WIS	3388	3508	4072	12650	13555
OTHER 1/	1465	1236	1780	5689	5992
U S	4853	4744	5852	18339	19547
SWEETENED CONDENSED SKIM MILK					
WIS	2600	2783	4137	11803	11064
OTHER 1/	592	768	656	1690	2220
U S	3192	3551	4793	13493	13284
UNSWEETENED CONDENSED WHOLE MILK					
N Y	3743	4151	4526	14329	15240
PA	3262	6293	4890	16416	9034
WIS	3459	3559	7035	18855	25020
OTHER 1/	2865	2609	3902	12914	14354
U S	13329	16612	20353	62514	63648
UNSWEETENED CONDENSED SKIM MILK					
CALIF	9209	8319	11688	42725	38005
MICH	3209	2990	3800	22512	18761
MO	1495	1317	2059	8534	8169
N Y	3889	3687	4864	14883	10930
OHIO					
PA	4876	3763	4275	12672	9215
WIS	4234	4202	6077	18792	15423
OTHER 1/	14358	14058	17237	61420	70199
U S	41270	38336	50000	181538	170702

SEE FOOTNOTES ON PAGE 35.

TABLE 27--CONDENSED MILK, BULK PRODUCTS  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC		1981	1982		
	1,000 POUNDS		PLANTS	PRODUCTION	PLANTS	PRODUCTION
SWEETENED CONDENSED WHOLE MILK			NUMBER 1,000 LBS			
WIS	10963		4	51892	4	48136
OTHER 1/	5341		6	18459	5	21503
U S	16304		10	70351	9	69639
SWEETENED CONDENSED SKIM MILK			NUMBER 1,000 LBS			
WIS	8421		4	38287	4	40808
OTHER 1/	2414		3	7720	3	8340
U S	10835		7	46007	7	49148
UNSWEETENED CONDENSED WHOLE MILK			NUMBER 1,000 LBS			
N Y	10643		6	52412	5	52632
PA	8230		6	44683	5	48125
WIS	18089		4	52843	4	76017
OTHER 1/	10471		15	45681	12	47115
U S	47433		31	195619	26	223889
UNSWEETENED CONDENSED SKIM MILK			NUMBER 1,000 LBS			
CALIF	35153		14	122984	14	145099
MICH	13445		4	69619	4	64717
MO	7854		6	17595	6	29428
N Y	11212		14	60503	11	49465
OHIO			5	31805		
PA	7942		6	58327	5	42743
WIS	17850		12	93501	13	66578
OTHER 1/	56831		29	205307	33	234103
U S	150287		90	659641	86	632133

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
OHIO	9052	8883	10155	22506	25959
OTHER 1/	49651	44484	51495	173132	158017
U S	58703	53367	61650	195638	183976

SEE FOOTNOTES ON PAGE 37.

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
SWEET-TYPE, HUMAN					
MINN	2002	1844	2712	6182	4232
WIS	1077	888	1056	4821	6287
OTHER 1/	4789	5116	6384	12727	12839
U S	7868	7848	10152	23730	23358
TOTAL CONDENSED 3/					
MINN	2002	1844	2712	6182	4232
N Y	5607	4217	5046	9279	12410
WIS	1077	888	1056	4821	6287
OTHER 1/	4794	4761	5024	12866	12130
U S	13480	11710	13838	33148	35059

SEE FOOTNOTES ON PAGE 37.

TABLE 28--EVAPORATED AND CONDENSED WHOLE MILK, CASE GOODS  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
OHIO	27525		5	119219	4	104080
OTHER 1/	154062		14	638700	14	630841
U S	181587		19	757919	18	734921

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
SWEET-TYPE, HUMAN						
MINN	3708				5	20680
WIS	6898		4	17430	4	21027
OTHER 1/	11980		19	56800	14	53835
U S	22586		23	74230	23	95542
TOTAL CONDENSED 3/						
MINN	3708				5	20680
N Y	13412		12	35328	9	49971
WIS	6898		5	19412	4	21027
OTHER 1/	10399		18	58222	14	49974
U S	34417		35	112962	32	141652

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	22995	21590	24703	74149	71925
IDAHO	2123	1869	2002	8068	8406
IOWA	8412	8231	9059	28788	22111
MICH	7176	7158	8587	25113	24754
MINN	15990	15075	18613	54005	44680
N Y	3462	3447	3793	20929	8563
N DAK	500	650	1051	3424	1522
OHIO	2907	2711	3246	12464	10375
PA	4697	4224	4465	17372	13447
S DAK	3430	3098	3591	11198	9827
UTAH	161	310	470	1467	1023
WIS	11834	12325	14218	47255	29817
OTHER 1/	28073	27217	33733	113310	92510
U S	111760	107905	127531	417542	338960

TABLE 31--DRY SKIM FOR ANIMAL FEED  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 POUNDS				
CALIF	138	120	135	661	550
MINN	13	16	63	45	58
N Y	45	25	37	186	90
N DAK	3	4	5	15	12
UTAH	4	1	4	13	5
WIS	41	34	26	144	174
OTHER 1/	330	410	538	2104	1964
U S	574	610	808	3168	2853

SEE FOOTNOTES ON PAGE 39.

TABLE 30--NONFAT DRY MILK FOR HUMAN FOOD  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	64418		14	263271	14	279780
IDAHO	5221		1	22225	1	27689
IOWA	17671		7	97817	6	94272
MICH	24278		4	75769	4	97066
MINN	39578		16	185860	13	187941
N Y	8279		12	56343	10	48473
N DAK	1087		1	5660	1	8234
OHIO	8175		5	39629	5	39878
PA	11256		5	57447	6	55461
S DAK	7410		4	40980	4	38554
UTAH	378		3	5022	3	3809
WIS	19281		14	143268	12	134730
OTHER 1/	89907		28	320979	29	384750
U S	296939		114	1314270	108	1400637

TABLE 31--DRY SKIM FOR ANIMAL FEED  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 POUNDS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
CALIF	326		11	1982	12	1930
MINN	57		7	209	9	252
N Y	87		4	678	5	470
N DAK	9		1	32	1	48
UTAH	4		3	48	3	31
WIS	65		12	811	10	484
OTHER 1/	1170		31	4086	31	6516
U S	1718		69	7846	71	9731

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

TABLE 32--DRY MILK PRODUCTS  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
1,000 POUNDS					
DRY WHOLE MILK					
OTHER 1/	9166	7712	9282	29372	22367
U S	9166	7712	9282	29372	22367
DRY BUTTERMILK					
CALIF	377	133	187	350	609
MICH	298	347	266	568	490
MINN	743	655	742	2276	1742
N Y	376	326	153	687	93
N DAK	28	28	35	95	104
PA	183	153	118	344	147
WIS	1629	1373	1584	3316	1062
OTHER 1/	1186	923	825	2384	1884
U S	4820	3938	3910	10020	6131

SEE FOOTNOTES ON PAGE 41.

TABLE 33--LACTOSE-MILK SUGAR  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
1,000 POUNDS					
FOR HUMAN FOOD					
CALIF					
MINN	3056	3427	4357	12887	9674
WIS	4013	3600	3842	11028	10576
OTHER 1/	3121	2929	3221	10275	11548
U S	10190	9956	11420	34190	31798
TOTAL LACTOSE 2/					
CALIF	1406	688	938	3173	4599
MINN	3289	3826	4829	14440	10912
WIS	4174	3800	4153	11924	11124
OTHER 1/	2489	2666	3107	9267	9264
U S	11358	10980	13027	38804	35899

SEE FOOTNOTES ON PAGE 41.



TABLE 32--DRY MILK PRODUCTS  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC		1981	1982		
	1,000 POUNDS		PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
DRY WHOLE MILK						
OTHER 1/	24327		21	92724	15	102226
U S	24327		21	92724	15	102226
DRY BUTTERMILK						
CALIF	687		7	4584	6	2343
MICH	631		3	2115	3	2600
MINN	1765		5	6858	5	7923
N Y	424		7	3021	6	2059
N DAK	101		1	535	1	391
PA	223				3	1168
WIS	2259		9	14844	6	11223
OTHER 1/	3723		23	11857	19	10925
U S	9813		55	43814	49	38632

TABLE 33--LACTOSE-MILK SUGAR 4899  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC		1981	1982		
	1,000 POUNDS		PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 LBS	NUMBER	1,000 LBS
FOR HUMAN FOOD						
CALIF			3	13043		
MINN	8982				4	42383
WIS	9566		8	45033	6	42625
OTHER 1/	11331		10	85013	11	42425
U S	29879		21	143089	21	127433
TOTAL LACTOSE 2/						
CALIF	4209					15013
MINN	9826				4	47122
WIS	10617		10	50895	8	45792
OTHER 1/	9636		14	111195	10	36429
U S	34288		24	162090	22	144356

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

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

TABLE 34--DRY WHEY  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
1,000 POUNDS					
HUMAN FOOD					
MINN	13771	12981	14010	40016	32595
N Y	4996	4238	4648	14408	13593
UTAH	1661	1355	2029	5870	5497
WIS	16146	13783	16819	54562	54018
OTHER 1/	13876	14001	17035	45056	41042
U S	50450	46358	54541	159912	146745
ANIMAL FEED					
MINN	339	835	431	1893	1695
MO	1927	1723	2296	8987	7250
N Y	2970	3780	3231	8444	5992
UTAH	84	141	54	211	120
WIS	5989	4400	4962	19153	21897
OTHER 1/	2625	3274	3781	11861	9473
U S	13934	14153	14755	50549	46427
TOTAL DRY WHEY					
IOWA	3849	4271	5147	15343	14599
MINN	14110	13816	14441	41909	34290
MO	1927	1723	2296	8987	7250
N Y	7966	8018	7879	22852	19585
UTAH	1745	1496	2083	6081	5617
WIS	22135	18183	21781	73715	75915
OTHER 1/	12652	13004	15669	41574	35916
U S	64384	60511	69296	210461	193172

SEE FOOTNOTES ON PAGE 43.

TABLE 34--DRY WHEY  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982	ANNUAL			
	OCT-DEC	1981	1982		
	1,000 POUNDS	PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	NUMBER	NUMBER	NUMBER
		1,000 LBS	1,000 LBS	1,000 LBS	1,000 LBS
HUMAN FOOD					
ILL			1		
MINN	35435	9	142638	11	148808
N Y	15492	8	56038	7	57375
UTAH	5362	4	22138	4	21774
WIS	54832	13	199220	12	210160
OTHER 1/	42368	19	174198	15	173378
U S	153489	53	594232	50	611495
ANIMAL FEED					
MINN	788	7	15291	8	5981
MO	6289	6	22485	6	28472
N Y	5990	7	30559	7	30407
UTAH	82	3	775	3	692
WIS	14402	18	75032	17	70803
OTHER 1/	11638	33	40346	28	42652
U S	39189	74	184488	69	179007
TOTAL DRY WHEY					
IOWA	16666	7	51272	5	59875
MINN	36223	9	157929	11	154789
MO	6289	6	22485	6	28472
N Y	21482	9	86597	9	87782
UTAH	5444	4	22913	4	22466
WIS	69234	23	274252	21	280963
OTHER 1/	37340	30	163272	24	156155
U S	192678	88	778720	80	790502

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 GALLONS				
ALA	872	946	1224	4258	4132
ARIZ	449	462	532	1788	1748
ARK	336	416	461	1751	1809
CALIF	6369	6598	8522	25918	27886
COLO	589	748	892	2607	2811
CONN					
FLA	2220	2501	2992	10090	8624
GA	378	519	653	2269	2197
IDAHO	224	264	305	975	1130
ILL	2016	2411	3240	10130	9657
IND	1342	1487	2066	6281	7091
IOWA	827	1083	1486	4194	4631
KANS	486	502	718	2178	2392
LA	386	591	739	2247	2328
MAINE					
MD 2/	1019	968	1156	3711	3821
MASS	2635	2822	3752	12356	12967
MICH	2041	2215	2845	9491	9782
MINN	2081	2491	2898	9232	10349
MISS	218	322	441	1441	1375
MO	1148	1111	1475	5030	5358
MONT	96	115	170	504	586
NEBR	566	636	767	2519	2568
NEV					
N H	38	45	56	224	317
N J	1235	1253	1564	5372	6192
N MEX	163	231	308	1032	1095
N Y	3455	4209	5698	16861	18838
N C	1537	1993	2528	8853	8976
N DAK	129	153	187	617	668
OHIO	2518	3369	4147	12483	13646
OKLA	539	688	879	2664	2841
OREG	597	650	771	2417	2641
PA	4356	5136	6432	19425	20860
R I					
S C	644	782	911	2285	2308
TENN	1051	1415	1844	5554	5458
TEX	2870	3358	4325	14750	14112
UTAH	495	626	789	2274	2389
VT	13	11	17	108	148
VA	603	772	964	2528	2374
WASH	927	1139	1160	4156	4412
W VA	141	167	232	746	802
WIS	1268	1498	1828	5736	6243
OTHER 1/	1945	2174	3094	9067	8402
U S	50822	58877	75068	236122	245964

SEE FOOTNOTES ON PAGE 45.

TABLE 35--ICE CREAM, TOTAL  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982	ANNUAL	
	OCT-DEC	1981 PRODUCTION	1982 PRODUCTION
	1,000 GALLONS		
ALA	2663	13335	14095
ARIZ	1217	6173	6196
ARK	1168	5026	5941
CALIF	20230	94150	95523
COLO	2349	9808	9996
CONN		19817	
FLA	7150	34322	33577
GA	1582	6280	7598
IDAHO	942	3069	3840
ILL	7752	35787	35206
IND	5670	21672	23937
IOWA	3341	14213	15562
KANS	1528	8261	7804
LA	1702	8246	7993
MAINE		493	
MD 2/	2730	16723	13405
MASS	9912	43193	44444
MICH	7101	32046	33475
MINN	8086	33772	35137
MISS	852	4966	4649
MO	4095	16742	18217
MONT	362	1908	1833
NEBR	2346	9556	9402
NEV		1212	
N H	146		826
N J	4576	15770	20192
N MEX	751	3503	3580
N Y	13265	63737	62326
N C	6462	26304	30349
N DAK	471	2256	2225
OHIO	10506	46750	46669
OKLA	2008	9663	9619
OREG	1974	9069	9050
PA	16760	71321	72969
R I		1065	
S C	1723	10463	8653
TENN	3731	18095	19053
TEX	10723	44570	50138
UTAH	1855	8475	8428
VT	78	317	375
VA	1559	10665	8800
WASH	3724	16505	15518
W VA	604	2450	2692
WIS	4255	20861	20828
OTHER 1/	6914	9841	31596
U S	184863	832450	851716

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 GALLONS				
ALA	354	423	558	2021	1853
ALAS	36	44	42	140	135
ARIZ					
ARK	157	197	279	979	999
CALIF 2/	1810	1953	2329	7614	8076
COLO	281	325	458	1648	1807
CONN					
FLA	937	1071	1493	3954	3830
GA	361	353	688	2612	2279
IDAHO	49	61	95	356	355
ILL	798	996	1416	5788	5845
IND	293	371	583	2331	2489
IOWA 3/	296	373	515	2065	2025
KANS	266	310	541	1659	1599
KY	141	182	266	1167	1153
LA	263	297	409	1301	1207
MAINE					
MD 4/	165	175	215	708	686
MASS	376	408	563	1608	1908
MICH	443	536	821	3608	3661
MINN	170	293	480	1945	2127
MISS 5/	112	178	238	855	891
MO	524	619	821	2749	3122
MONT 6/	42	55	72	309	371
NEBR	151	210	325	1182	1251
N H	7	12	24	146	176
N J	248	291	362	1307	1436
N Y	474	585	829	2577	2404
N C	561	727	911	3030	3091
N DAK	38	33	49	253	363
OHIO	852	1104	1765	6814	6918
OKLA	264	275	379	1227	1286
OREG 7/	248	257	398	1289	1408
PA	599	817	1119	4201	4541
R I					
S C	245	357	381	1148	1245
S DAK	20	39	51	205	195
TENN	242	360	447	1532	1468
TEX	779	818	1085	3859	3721
UTAH	85	137	133	674	715
VT					
VA	132	165	227	805	918
WASH	728	531	523	2178	2285
W VA	131	153	219	646	660
WIS	204	286	431	1943	2114
WYO					
OTHER 8/	795	900	1153	3675	3759
U S	14677	17277	23693	84108	86372

SEE FOOTNOTES ON PAGE 47.

TABLE 36--ICE MILK, TOTAL 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982	ANNUAL	
	OCT-DEC	1981 PRODUCTION	1982 PRODUCTION
1,000 GALLONS			
ALA	1196	6323	6405
ALAS	119		516
ARIZ		4520	
ARK	654	3384	3265
CALIF 2/	5961	28399	27743
COLO	1056	5448	5575
CONN		3403	
FLA	3226	14589	14511
GA	1666	7638	7959
IDAHO	268	1226	1184
ILL	3379	18314	18222
IND	1170	6569	7237
IOWA 3/	1076	5415	6350
KANS	883	5223	5258
KY	588	3456	3497
LA	952	4407	4429
MAINE		457	
MD 4/	445	5953	2394
MASS	1711	10173	6574
MICH	1702	11026	10771
MINN	1050	5263	6065
MISS 5/	563	2967	2837
MO	1934	9987	9769
MONT 6/	208	963	1057
NEBR	721	3821	3840
N H	41	701	406
N J	1005	3498	4649
N Y	1527	9163	8396
N C	1645	10742	9965
N DAK	164	1045	900
OHIO	3413	22044	20866
OKLA	834	4605	4265
OREG 7/	880	4614	4480
PA	2418	13978	13695
R I		749	
S C	820	4325	4196
S DAK	86	524	596
TENN	863	5164	4912
TEX	2846	12387	13108
UTAH	450	2351	2194
VT		393	
VA	644	4203	2891
WASH	2213	8731	8458
W VA	382	2359	2191
WIS	1098	6098	6076
WYO		644	
OTHER 8/	2383	3750	12665
U S	54240	290992	280367

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 GALLONS				
ALA	142	182	240	924	795
ARK	53	67	90	307	330
CALIF	657	627	871	2667	2803
COLO	46	48	73	268	277
FLA	252	258	381	1098	1038
GA	60	60	65	263	224
IDAHO	14	13	23	83	83
ILL	126	132	184	683	676
IND	104	136	200	688	766
IOWA	137	153	184	644	694
LA	24	26	46	129	127
MD 2/	65	62	72	254	226
MASS	142	161	217	609	671
MICH	84	105	138	599	589
MINN	32	45	50	146	163
MISS	22	46	58	253	241
MO	192	227	266	760	963
MONT	10	13	10	49	52
N J	9	2	4	14	19
N Y	189	222	337	895	733
N C	267	344	422	1297	1353
N DAK	5	4	8	22	22
OHIO	137	188	226	749	798
OKLA	63	64	77	277	285
OREG	33	26	51	133	176
PA	221	284	372	1146	1205
S C	151	222	231	683	727
TENN	138	204	251	841	808
TEX	127	145	195	721	615
UTAH	29	35	43	168	151
VA	25	28	41	99	138
WASH	318	188	157	654	665
W VA	18	28	29	93	119
WIS	64	78	120	502	542
OTHER 1/	462	509	733	2053	1954
U S	4418	4932	6465	20771	21028

SEE FOOTNOTES ON PAGE 49.



TABLE 37--ICE MILK, HARD  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 GALLONS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	1,000 GAL	NUMBER	1,000 GAL	
ALA	465	5	2711	5	2748	
ARK	216	6	985	6	1063	
CALIF	1976	77	9899	77	9601	
COLO	169	10	868	8	881	
FLA	787	10	4083	10	3814	
GA	127	5	780	6	799	
IDAHO	62	4	269	4	278	
ILL	419	28	2369	29	2220	
IND	363	19	2250	19	2257	
IOWA	455			9	2267	
LA	91	19	502	11	443	
MD 2/	149	6	1066	6	828	
MASS	448	13	2739	12	2248	
MICH	274	26	1888	22	1789	
MINN	112	4	604	4	548	
MISS	121	6	850	5	741	
MO	594	15	3688	16	3002	
MONT	30	9	148	9	164	
N J	14	5	67	5	62	
N Y	432	18	2905	19	2808	
N C	729	18	4952	17	4412	
N DAK	14	6	100	5	75	
OHIO	444	35	2844	34	2542	
OKLA	143	9	1077	9	909	
OREG	75	12	547	12	494	
PA	769	32	4282	34	3997	
S C	478	5	2490	4	2492	
TENN	448	11	2786	11	2690	
TEX	446	20	2464	19	2249	
UTAH	108	10	661	8	534	
VA	75	7	565	6	406	
WASH	852	14	2420	12	2834	
W VA	59	3	349	4	346	
WIS	253	25	1491	24	1559	
OTHER 1/	1338	56	9356	43	7049	
U S	13535	548	75055	524	71149	

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

TABLE 38--ICE MILK, SOFT  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 GALLONS				
ALA	212	241	318	1097	1058
ALAS	36	44	42	140	135
ARK	104	130	189	672	669
CALIF	1153	1326	1458	4947	5273
COLO	235	277	385	1380	1530
DEL					
FLA	685	813	1112	2856	2792
GA	301	293	623	2349	2055
IDAHO	35	48	72	273	272
ILL	672	864	1232	5105	5169
IND	189	235	383	1643	1723
IOWA	159	220	331	1421	1331
KANS	131	162	267	898	887
LA	239	271	363	1172	1080
MAINE					
MD 2/	100	113	143	454	460
MASS	234	247	346	999	1237
MICH	359	431	683	3009	3072
MINN	138	248	430	1799	1964
MISS	90	132	180	602	650
MO.	332	392	555	1989	2159
MONT	32	42	62	260	319
N H	7	12	24	144	173
N J	239	289	358	1293	1417
N Y	285	363	492	1682	1671
N C	294	383	489	1733	1738
N DAK	33	29	41	231	341
OHIO	715	916	1539	6065	6120
OKLA	201	211	302	950	1001
OREG	215	231	347	1156	1232
PA	378	533	747	3055	3336
S C	94	135	150	465	518
S DAK	20	39	51	205	195
TENN	104	156	196	691	660
TEX	652	673	890	3138	3106
UTAH	56	102	90	506	564
VA	107	137	186	706	780
WASH	410	343	366	1524	1620
W VA	113	125	190	553	541
WIS	140	208	311	1441	1572
WYO					
OTHER 1/	760	931	1285	4734	4924
U S	10259	12345	17228	63337	65344

SEE FOOTNOTES ON PAGE 51.

TABLE 38--ICE MILK, SOFT  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982	ANNUAL	
	OCT-DEC	1981 PRODUCTION	1982 PRODUCTION
	1,000 GALLONS		
ALA	731	3612	3657
ALAS	119		516
ARK	438	2399	2202
CALIF	3985	18500	18142
COLO	887	4580	4694
DEL		109	
FLA	2439	10506	10697
GA	1539	6858	7160
IDAHO	206	957	906
ILL	2960	15945	16002
IND	807	4319	4980
IOWA	621	3269	4083
KANS	498	2822	2843
LA	861	3905	3986
MAINE		453	
MD 2/	296	4887	1566
MASS	1263	7434	4326
MICH	1428	9138	8982
MINN	938	4659	5517
MISS	442	2117	2096
MO	1340	6299	6767
MONT	178	815	893
N H	41		401
N J	991	3431	4587
N Y	1095	6258	5588
N C	916	5790	5553
N DAK	150	945	825
OHIO	2969	19200	18324
OKLA	691	3528	3356
OREG	805	4067	3986
PA	1649	9696	9698
S C	342	1835	1704
S DAK	86	524	596
TENN	415	2378	2222
TEX	2400	9923	10859
UTAH	342	1690	1660
VA	569	3638	2485
WASH	1361	6311	5624
W VA	323	2010	1845
WIS	845	4607	4517
WYO		611	
OTHER 1/	2739	15912	15373
U S	40705	215937	209218

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

TABLE 39--MILK SHERBET 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
1,000 GALLONS					
ALA	45	50	67	256	229
ARIZ	27	24	40	116	99
ARK	19	20	25	85	79
CALIF	347	294	412	1324	1465
COLO	34	28	51	142	140
FLA	110	111	155	508	496
GA	31	39	53	130	108
IDAHO	9	20	22	52	50
ILL	126	123	162	639	553
IND	82	75	121	365	412
IOWA	67	65	125	435	410
KANS	29	36	46	157	169
LA	24	32	40	123	138
MAINE					
MD 2/	78	66	100	366	374
MASS	113	87	155	670	766
MICH	81	101	141	579	505
MINN	80	92	138	492	465
MISS	18	15	27	104	87
MO	58	85	78	315	319
MONT	4	7	3	24	29
NEBR	21	22	31	120	118
N J	21	25	25	124	131
N Y	158	149	244	889	895
N C	65	77	102	420	410
N DAK	7	12	12	70	55
OHIO	130	169	242	857	960
OKLA	21	42	42	159	184
OREG	30	44	33	127	138
PA	197	188	279	1188	1045
R I					
S C	43	74	123	299	299
TENN	64	58	84	271	266
TEX	188	164	240	967	871
UTAH	28	38	57	158	169
VA	17	21	24	163	149
WASH	102	74	102	384	400
W VA	9	6	25	48	45
WIS	38	49	55	236	203
OTHER 3/	86	99	147	496	667
U S	2607	2681	3828	13858	13898

SEE FOOTNOTES ON PAGE 53.

TABLE 39--MILK SHERBET 1/  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL	
	OCT-DEC	1981 PRODUCTION	1982 PRODUCTION	
	1,000 GALLONS			
ALA	147	738	794	
ARIZ	73	398	379	
ARK	52	275	280	
CALIF	905	4951	4747	
COLO	102	514	497	
FLA	374	1678	1754	
GA	81	483	442	
IDAHO	46	146	199	
ILL	403	1991	2006	
IND	368	1039	1423	
IOWA	249	1225	1351	
KANS	97	588	534	
LA	85	484	442	
MAINE		3		
MD 2/	185	1354	1169	
MASS	407	2089	2198	
MICH	320	1817	1727	
MINN	300	1629	1567	
MISS	54	358	305	
MO	234	1207	1089	
MONT	15	71	82	
NEBR	94	421	406	
N J	81	343	407	
N Y	343	2619	2678	
N C	240	1307	1314	
N DAK	25	219	181	
OHIO	601	3050	2959	
OKLA	102	493	550	
OREG	90	476	462	
PA	730	3736	3627	
R I		39		
S C	215	1062	1053	
TENN	156	1031	899	
TEX	577	3001	3007	
UTAH	96	533	546	
VA	65	400	439	
WASH	233	1087	1295	
W VA	33	134	166	
WIS	142	861	723	
OTHER 3/	383	1882	1878	
U S	8703	45732	45575	

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
1,000 GALLONS					
FROZEN PRODUCT 1/					
ARK	23	24	40	105	128
CALIF 3/	86	67	131	343	334
ILL	53	51	73	242	247
IOWA	48	80	73	244	250
LA					
MINN	3	3	3	7	9
MO	24	24	24	195	144
OKLA	12	15	14	54	71
OREG					
TENN	2	3	3		
TEX	257	327	441	1574	1439
OTHER 2/	66	66	87	264	267
U S	574	660	889	3028	2889
MIX FOR FROZEN PRODUCT					
ARK	12	12	20	53	64
CALIF	48	50	79	230	231
ILL	45	47	70	233	235
IOWA	74	90	99	321	317
LA					
MO	2	2	2	16	12
OKLA	9	8	9	25	40
OREG					
TEX	157	172	228	828	767
OTHER 2/	26	26	35	89	83
U S	373	407	542	1795	1749

TABLE 41--OTHER FROZEN DAIRY PRODUCTS  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
1,000 GALLONS					
CALIF	205	215	286	914	968
COLO	1	3	15	40	26
ILL	17	20	54	161	139
IND	13	20	65	269	265
LA					
MD					
MASS	10	23	20		151
MICH	23	27	48	219	148
MINN					
OHIO					
OKLA	9	9	18	54	68
PA	168	159	124	572	422
TENN	7	9	15	80	84
OTHER 2/	1029	1206	1789	5626	4476
U S	1482	1691	2434	7935	6747

SEE FOOTNOTES ON PAGE 55.

TABLE 40--MELLORINE TYPE PRODUCTS  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 GALLONS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER 1,000 GAL	NUMBER 1,000 GAL	NUMBER 1,000 LBS	NUMBER 1,000 LBS
FROZEN PRODUCT 1/						
ARK	79		378		399	
CALIF 3/	185		1744		1146	
ILL	146		857		812	
IOWA	199		775		894	
LA			4			
MINN	6				31	
MO	84		479		495	
OKLA	30		204		196	
OREG			190			
TENN	23				31	
TEX	1082		5642		5120	
OTHER 2/	179		918	2	929	
U S	2013		11191	2	10053	
MIX FOR FROZEN PRODUCT						
ARK	40	6	194	5	201	
CALIF	145	8	1124	6	783	
ILL	143	10	791	10	773	
IOWA	257	8	727	5	1158	
LA		4	2			
MO	7	4	47	3	41	
OKLA	16	7	105	7	107	
OREG		4	93			
TEX	489	28	2980	27	2641	
OTHER 2/	63	10	310	15	322	
U S	1160	89	6373	78	6026	

TABLE 41--OTHER FROZEN DAIRY PRODUCTS  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 GALLONS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER 1,000 GAL	NUMBER 1,000 GAL	NUMBER 1,000 GAL	NUMBER 1,000 GAL
CALIF	622		41	2877	41	3210
COLO	10		3	120	3	95
ILL	85		6	494	6	476
IND	135		3	931	4	767
LA			4	107		
MD			4	67		
MASS	79		5	336	5	283
MICH	52		6	493	6	517
MINN			2	174		
OKLA	30		3	189	3	188
PA	410		8	2211	7	1855
TENN	44		5	246	4	239
OTHER 2/	3302		77	15758	67	17428
U S	4769		168	24003	146	25058

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 GALLONS				
ALA	31	52	68	578	296
CALIF	220	280	413	1165	984
COLO	16	17	50	182	190
FLA	39	44	74	338	362
ILL	13	20	38	287	233
IND	72	112	141	792	740
LA					
MD 3/	62	113	149	482	585
MISS	7	17	25	130	112
N J	1		5	62	59
N Y	26	43	105	818	1293
N C	57	81	154	464	540
OHIO	60	134	223	1203	822
OKLA	8	7	19	69	78
PA	40	67	96	676	699
TENN	23	13	45	195	190
TEX	88	112	195	609	696
UTAH	3	2	6	173	117
VA	3	22	12	86	116
WIS	164	219	208	848	571
OTHER 2/	552	615	897	3896	3310
U S	1485	1970	2923	13053	11993

SEE FOOTNOTES ON PAGE 57.



TABLE 42--WATER ICES 1/  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 GALLONS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
		NUMBER	1,000 GAL	NUMBER	1,000 GAL	
ALA	113	3	794	3	1138	
CALIF	419	10	3542	10	3481	
COLO	42	5	534	5	497	
FLA	189	6	989	6	1046	
ILL	107	8	693	8	698	
IND	290	4	1501	5	2147	
LA		5	145			
MD 3/	174	7	1997	7	1565	
MISS	46	5	280	5	337	
N J	15	8	161	7	142	
N Y	241	26	3554	24	2526	
N C	226	11	1569	11	1522	
OHIO	184	14	2324	13	2626	
OKLA	22	3	200	3	203	
PA	164	16	1709	14	1742	
TENN	52	7	555	7	518	
TEX	246	13	2057	13	1946	
UTAH	1	4	152	5	302	
VA	29	4	77	4	268	
WIS	176	4	2241	4	2186	
OTHER 2/	998	49	9270	58	10268	
U S	3734	212	34344	212	35158	

1/ DOES NOT INCLUDE COUNTER-FREEZER PRODUCTION.

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

TABLE 43--ICE CREAM MIX  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 GALLONS				
ALA	432	469	628	1988	2050
ARIZ	217	221	259	848	832
ARK	174	213	240	901	923
CALIF	3223	3329	4140	13168	14410
COLO	275	369	452	1338	1439
CONN					
FLA	1118	1252	1541	5072	4465
GA	188	258	322	1128	1063
IDAHO	102	113	126	411	512
ILL	1071	1284	1697	5285	5165
IND	642	686	951	2901	3167
IOWA	403	522	758	2068	2274
KANS	247	253	366	1100	1202
LA	187	291	364	1095	1133
MAINE					
MD 1/	522	514	595	1908	1998
MASS	1257	1348	1818	5931	6444
MICH	1061	1161	1470	4921	5079
MISS	110	164	227	728	703
MO	527	512	676	2403	2459
MONT	49	63	86	257	289
NEBR	288	326	391	1278	1304
NEV					
N H	21	25	33	153	228
N J	775	793	1002	3638	4320
N MEX	81	123	159	527	555
N Y	1800	2156	3006	9515	10792
N C	806	996	1312	4586	4614
N DAK	64	77	91	295	327
OHIO	1264	1657	2034	6251	6724
OKLA	274	344	442	1344	1422
OREG	288	325	376	1172	1281
PA	2197	2679	3253	10418	11156
R I					
S C	341	421	490	1195	1224
TENN	520	693	901	2777	2771
TEX	1505	1720	2187	7315	7079
UTAH	254	321	406	1170	1227
VA	316	381	517	1278	1418
WASH	524	591	595	2156	2269
W VA	70	80	100	327	342
WIS	634	751	925	2933	3153
OTHER 2/	1978	2294	2934	8961	8968
U S	25805	29775	37870	120740	126781

SEE FOOTNOTES ON PAGE 59.

TABLE 43--ICE CREAM MIX  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 GALLONS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	1312		7	6555	7	6879
ARIZ	588		5	3037	4	2965
ARK	607		8	2607	8	3058
CALIF	10466		30	47087	31	48736
COLO	1160		12	5008	11	5033
CONN			9	9342		
FLA	3667		15	17700	15	17115
GA	763		8	3102	12	3722
IDAHO	400		5	1323	4	1664
ILL	4099		25	18600	27	18601
IND	2619		15	10018	14	10966
IOWA	1641				15	7666
KANS	769		11	4151	10	3937
LA	849		15	4057	13	3919
MAINE			7	207		
MD 1/	1426		10	8406	9	6963
MASS	4683		21	21289	20	21481
MICH	3662		30	16974	30	17354
MISS	429		7	2526	6	2361
MO	1810		14	7833	14	8387
MONT	182		9	965	9	926
NEBR	1182		7	4848	8	4769
NEV			3	621		
N H	104				3	564
N J	2873		12	10287	12	13401
N MEX	380		3	1743	3	1825
N Y	6740		43	34998	41	34009
N C	3225		17	13594	17	15539
N DAK	244		8	1126	8	1098
OHIO	5069		43	23494	38	22999
OKLA	1014		12	4867	11	4840
OREG	971		16	4521	16	4413
PA	8454		51	37297	51	38157
R I			6	497		
S C	976		6	5588	5	4647
TENN	1915		14	9236	14	9577
TEX	5429		25	22785	30	25235
UTAH	953		12	4345	12	4331
VA	1150		9	5527	9	5060
WASH	1907		17	8640	17	8042
W VA	252		7	1163	6	1171
WIS	2134		23	10520	24	10530
OTHER 2/	7255		44	28449	43	32390
U S	93359		641	424933	627	434330

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 GALLONS				
ALA	215	247	324	1119	1080
ARK	110	138	202	715	713
CALIF	1108	1208	1421	4673	4961
COLO	184	215	299	1066	1182
CONN					
FLA	563	673	925	2374	2320
GA	233	227	478	1798	1580
IDAHO	24	33	49	186	185
ILL	558	711	1028	4229	4293
IND	149	186	304	1304	1370
IOWA	142	196	298	1276	1195
KANS	194	236	392	1317	1299
KY	88	114	168	740	730
LA	151	171	227	736	679
MAINE	2	3	9	18	55
MD 2/	146	165	209	664	672
MASS	237	251	351	1011	1248
MICH	279	332	526	2316	2364
MISS	77	113	156	519	559
MO	96	115	134	495	490
MONT	25	33	49	205	252
NEBR	84	121	192	769	815
NEV					
N J	150	184	226	817	894
N Y	352	448	607	2066	2060
N C	357	461	590	2094	2102
N DAK	16	14	20	112	165
OHIO	552	700	1176	4649	4686
OKLA	147	154	219	691	728
OREG	155	164	249	826	880
PA	284	398	561	2283	2498
S C	98	142	158	491	545
TENN	109	161	201	713	681
TEX	501	517	687	2414	2382
UTAH	69	102	98	521	553
VA	304	385	533	2008	2221
WASH	398	334	356	1473	1565
W VA	41	46	70	203	198
WIS	88	130	194	904	985
OTHER 3/	550	724	1031	3852	4001
U S	8836	10552	14717	53647	55186

SEE FOOTNOTES ON PAGE 61.

TABLE 44--ICE MILK MIX 1/  
PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 GALLONS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	745	14	3691	12	3730	
ARK	467	9	2307	9	2345	
CALIF	3675	32	17433	32	17046	
COLO	685	13	3560	12	3631	
CONN		6	804			
FLA	2023	19	9032	21	8878	
GA	1182	14	5327	15	5498	
IDAHO	141	4	606	4	618	
ILL	2460	30	13159	31	13279	
IND	642	15	3608	15	3955	
IOWA	556	21	3504	17	3663	
KANS	730	16	3883	14	4168	
KY	372	12	2288	10	2212	
LA	541	19	2507	18	2505	
MAINE	7	9	177	7	94	
MD 2/	432	8	2841	8	2288	
MASS	1271	13	7337	13	4369	
MICH	1097	27	7397	24	6914	
MISS	381	15	1880	14	1805	
MO	299	16	5023	16	1629	
MONT	142	12	673	11	706	
NEBR	442	7	2391	7	2423	
NEV		3	562			
N J	626	7	2564	6	2897	
N Y	1345	25	6955	28	6878	
N C	1104	20	7159	19	6708	
N DAK	73	8	436	8	400	
OHIO	2269	43	14710	39	14032	
OKLA	503	12	2536	11	2442	
OREG	575	17	2808	17	2849	
PA	1235	43	6997	42	7259	
S C	361	8	1846	7	1795	
TENN	428	14	2501	13	2293	
TEX	1839	33	7863	36	8340	
UTAH	331	10	1773	8	1674	
VA	1619	11	6114	13	7070	
WASH	1315	18	5733	19	5441	
W VA	118	6	1112	7	676	
WIS	530	21	2972	21	2831	
OTHER 2/	2247	28	10445	35	12405	
U S	34808	658	184514	639	177746	

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, 1982 AND ANNUAL 1981 AND 1982

STATE	1982				
	JAN	FEB	MAR	APR-JUN	JUL-SEP
	1,000 GALLONS				
ALA	29	32	46	153	148
ARIZ	17	16	25	73	64
ARK	10	10	13	45	43
CALIF	243	191	274	921	983
COLO	23	19	33	89	95
FLA	71	70	99	323	318
GA	21	27	42	94	71
IDAHO	7	15	11	37	35
ILL	82	83	105	404	353
IND	50	56	81	239	274
IOWA	55	57	99	348	334
KANS	18	24	29	103	105
LA	14	19	24	78	88
MD 1/	55	47	64	279	272
MASS	72	59	97	470	4869
MICH	63	81	95	397	363
MISS	11	10	18	65	57
MO	36	53	47	218	197
MONT	2	4	2	14	18
NEBR	14	13	19	74	75
N J	15	16	16	83	84
N Y	109	94	161	562	595
N C	43	51	62	241	220
N DAK	4	7	8	43	35
OHIO	99	105	157	594	669
OKLA	13	27	27	97	115
OREG	18	26	21	81	87
PA	125	126	192	766	702
R I					
S C	28	50	77	170	195
TENN	38	38	50	177	185
TEX	116	99	147	571	496
UTAH	19	26	37	102	109
VA	11	13	15	104	95
WASH	64	47	63	231	249
W VA	4	3	10	22	20
WIS	26	33	36	159	131
OTHER 2/	102	119	132	581	682
U S	1727	1766	2434	9008	13431

SEE FOOTNOTES ON PAGE 63.

TABLE 45--MILK SHERBET MIX  
 PRODUCTION BY STATES, BY MONTHS, 1982 AND ANNUAL 1981 AND 1982

STATE	1982		ANNUAL			
	OCT-DEC	1,000 GALLONS	1981		1982	
			PLANTS	PRODUCTION	PLANTS	PRODUCTION
			NUMBER	1,000 GAL	NUMBER	1,000 GAL
ALA	95		6	473	6	503
ARIZ	48		3	255	3	243
ARK	29		5	169	5	150
CALIF	623		25	3332	26	3235
COLO	70		8	344	8	329
FLA	235		11	1054	12	1116
GA	52		7	312	7	307
IDAHO	24		3	112	3	129
ILL	257		18	1325	19	1284
IND	224		11	676	11	924
IOWA	201				7	1094
KANS	63		8	374	9	342
LA	55		11	302	10	278
MD 1/	126		8	963	8	843
MASS	267		19	1419	17	5834
MICH	224		24	1227	22	1223
MISS	34		6	231	5	195
MO	145		13	765	13	696
MONT	8		7	45	6	48
NEBR	57		6	264	7	252
N J	54		7	218	7	268
N Y	237		22	1785	23	1758
N C	143		15	897	15	760
N DAK	17		6	136	6	114
OHIO	389		32	1973	28	2013
OKLA	61		9	316	8	340
OREG	56		12	297	12	289
PA	491		37	2420	37	2402
R I			4	23		
S C	135		5	681	4	655
TENN	99		12	670	13	587
TEX	349		21	1844	23	1778
UTAH	62		11	352	11	355
VA	41		4	246	6	279
WASH	153		11	709	11	807
W VA	15		5	85	5	74
WIS	91		18	558	18	476
OTHER 2/	414		41	3091	32	2030
U S	5644		471	29943	463	34010

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, 1982

STATE	TOTAL FROZEN PRODUCTS 1/					ICE CREAM				ICE MILK 3/			
	PRODUCTION		AS % OF TOTAL		AS % OF TOTAL ICE CREAM	PRODUCTION		AS % OF TOTAL ICE CREAM		PRODUCTION		AS % OF TOTAL ICE MILK	
	TOTAL	HARD	SOFT	HARD		SOFT	HARD	SOFT	HARD	SOFT	HARD	SOFT	
	1,000 GALLONS		PERCENT		1,000 GALLONS		PERCENT		1,000 GALLONS		PERCENT		
ALA	21,294	17,637	3,657	83	17	14,095		100		2,748	3,657	43	57
ALAS	2/	2/	2/	2/	2/	2/		2/	2/		516		100
ARIZ	2/	2/	2/	2/	2/	6,196		100		2/	2/	2/	2/
ARK	9,885	7,655	2,230	77	23	5,918	23	100		1,063	2,202	33	67
CALIF	129,159	111,017	18,142	86	14	95,523		100		9,601	18,142	35	65
COLO	16,068	11,374	4,694	71	29	9,996		100		881	4,694	16	84
CONN	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
FLA	2/	2/	2/	2/	2/	31,679	1,898	94	6	3,814	10,697	26	74
GA	2/	2/	2/	2/	2/	7,487	111	99	1	799	7,160	10	90
HAW	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
IDAHO	5,223	4,317	906	83	17	3,840		100		278	906	23	77
ILL	56,246	38,827	17,419	69	31	34,505	701	98	2	2,220	16,002	12	88
IND	32,597	27,365	5,232	84	16	23,937		100		2,257	4,980	31	69
IOWA	2/	2/	2/	2/	2/	15,545	17	100		2,267	4,083	36	64
KANS	2/	2/	2/	2/	2/	7,804		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/	7,969	24	100		443	3,986	10	90
MAINE	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
MD 4/	16,968	15,174	1,794	89	11	13,240	165	99	1	828	1,566	35	65
MASS	53,216	47,132	6,084	89	11	42,827	1,617	96	4	2,248	4,326	34	66
MICH	2/	2/	2/	2/	2/	33,005	470	99	1	1,789	8,982	17	83
MINN	2/	2/	2/	2/	2/	35,137		100		548	5,517	9	91
MISS	7,791	5,671	2,120	73	27	4,625	24	99	1	741	2,096	26	74
MO	29,570	21,958	7,612	74	26	17,816	401	98	2	3,002	6,767	31	69
MONT	2/	2/	2/	2/	2/	1,819	14	99	1	164	893	16	84
NEBR	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
NEV	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
N H	2/	2/	2/	2/	2/	695	131	84	16	2/	2/	2/	2/
N J	25,248	13,036	12,212	52	48	12,584	7,608	62	38	62	4,587	1	99
N MEX	2/	2/	2/	2/	2/	3,575	5	100		2/	2/	2/	2/
N Y	2/	2/	2/	2/	2/	54,419	7,907	87	13	2,808	5,588	33	67
N C	41,628	36,075	5,553	87	13	30,349		100		4,412	5,553	44	56
N DAK	3,306	2,481	825	75	25	2,225		100		75	825	8	92
OHIO	70,494	51,023	19,471	72	28	45,635	1,034	98	2	2,542	18,324	12	88
OKLA	14,630	11,235	3,395	77	23	9,593	26	100		909	3,356	21	79
OREG	2/	2/	2/	2/	2/	8,961	89	99	1	494	3,986	11	89
PA	90,291	76,478	13,813	85	15	68,937	4,032	94	6	3,997	9,698	29	71
R I	2/	2/	2/	2/	2/	2/		2/		2/	2/	2/	2/
S C	13,902	12,198	1,704	88	12	8,653		100		2,492	1,704	59	41
S DAK	2/	2/	2/	2/	2/	2/		2/			596		100
TENN	2/	2/	2/	2/	2/	18,853	200	99	1	2/	2/	2/	2/
TEX	71,373	59,849	11,524	84	16	49,971	167	100		2,249	10,859	17	83
UTAH	2/	2/	2/	2/	2/	2/	2/	2/		534	1,660	24	76
VT	2/	2/	2/	2/	2/	334	41	89	11	2/	2/	2/	2/
VA	2/	2/	2/	2/	2/	8,800		100		406	2,485	14	86
WASH	25,271	19,559	5,712	77	23	15,452	66	100		2,834	5,624	34	66
W VA	5,049	3,204	1,845	63	37	2,692		100		346	1,845	16	84
WIS	27,627	22,247	5,380	81	19	19,983	845	96	4	1,559	4,517	26	74
WYO	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
OTH STS 2/	420,875	330,966	89,909	79	21	48,550	876	98	2	9,739	20,839	32	68
U S	1,187,711	946,478	241,233	80	20	823,224	28,492	97	3	71,149	209,218	25	75

SEE FOOTNOTES ON PAGE 65.



TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION, HARD AND SOFT, BY STATES, 1982

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	794		100							100		
ALAS										100		
ARIZ	379		100		2/		2/			100		
ARK	278	2	99	1	396	3	99	1	1	99		
CALIF	4,747		100		1,146		100			100		
COLO	497		100							100		
CONN	2/	2/	2/	2/					18	80	2	
FLA	1,729	25	99	1		2/		2/	15	84		1
GA	442		100			2/		2/	2	98		
HAW	2/		2/		2/		2/			100		
IDAHO	199		100							100		
ILL	2,006		100		96	716	12	88	4	92		4
IND	1,171	252	82	18						95	5	
IOWA	1,351		100		2/	2/	2/	2/		96		4
KANS	516	18	97	3						99	1	
KY	2/		2/			2/		2/	8	91		
LA	442		100		2/		2/		1	99		
MAINE	2/	2/	2/	2/					4	95	1	
MD 4/	1,106	63	95	5					9	87	4	
MASS	2,057	141	94	6					27	71	2	
MICH	1,622	105	94	6		2/		2/	5	93	1	1
MINN	1,271	296	81	19	2/		2/			95	5	
MISS	305		100						1	99		
MO	1,068	21	98	2	72	423	15	85	5	89		6
MONT	82		100		2/		2/		2	98		
NEBR	406		100							100		
NEV	2/		2/			2/		2/	10	85		5
N H	2/	2/	2/	2/					24	75	1	
N J	390	17	96	4					62	38		
N MEX	2/		2/			2/		2/	1	97		2
N Y	2,555	123	95	5	2/		2/		58	41	1	
N C	1,314		100							100		
N DAK	181		100							100		
OHIO	2,846	113	96	4					5	94	1	
OKLA	548	2	100		185	11	94	6	1	99		
OREG	462		100		2/		2/		2	98		
PA	3,544	83	98	2					29	70	1	
R I	2/		2/							100		
S C	1,053		100							100		
S DAK										100		
TENN	866	33	96	4	2/		2/		8	91	1	
TEX	3,004	3	100		4,625	495	90	10	2	94		4
UTAH	542	4	99	1					1	99		
VT	2/	2/	2/	2/					9	91		
VA	439		100			2/		2/		99		1
WASH	1,273	22	98	2					2	98		
W VA	166		100							100		
WIS	705	18	98	2					16	84		
WYO	2/	2/	2/	2/						96	4	
OTH STS 2/	1,804	74	96	4	1,425	460	76	24				
U S	44,160	1,415	97	3	7,945	2,108	79	21	12	87	1	

1/ INCLUDES ICE CREAM, ICE MILK, MILK SHERBET, AND MELLORINE. 2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED. 3/ INCLUDES FREEZER-MADE MILKSHAKE. SEE FOOTNOTES ON TABLE 37. 4/ INCLUDES DISTRICT OF COLUMBIA. 5/ INCLUDED IN "OTHER STATES" TOTAL FOR COMPUTATION PURPOSES.

TABLE 47--WHOLE MILK EQUIVALENT USED IN MANUFACTURED DAIRY PRODUCTS: CALCULATED QUANTITIES USED IN SPECIFIED PRODUCTS, ON A WHOLE MILK BASIS, BY STATES, 1982 1/

STATE	BUTTER	CHEESE		EVAPORATED AND	CONDENSED	CONDENSED
		AMERICAN	OTHER THAN AMERICAN	CONDENSED WHOLE MILK CASE	WHOLE MILK (UNSWEETENED) BULK	WHOLE MILK (SWEETENED) BULK
1,000 POUNDS						
ALA						
ARIZ						
ARK						
CALIF	4,615,730	968,667	741,983			
COLO	87,647					
CONN						
DEL						
FLA						
GA						
IDAHO	326,181	1,046,165				
ILL		24,071	772,989			
IND	384,324	617,939				
IOWA	538,049	966,770				
KANS	337,288	275,751				
KY		408,355				
LA						
MAINE						
MD						
MASS						
MICH	1,250,027	217,757				
MINN	4,057,863	5,084,236				
MISS		110,297	1,740			
MO	757,906	653,919				
MONT	50,756					
NEBR		217,342	233,733			
NEV						
N H						
N J			128,260			
N MEX						
N Y	979,171	782,728	1,631,961		129,392	
N C						
N DAK	119,614	503,626				
OHIO	758,251	407,192		227,486		
OKLA	268,366					
OREG	384,840	339,780				
PA	1,505,604		506,638		117,665	
R I						
S C						
S DAK	178,055	641,520				
TENN	618,767	193,767				
TEX						
UTAH	183,842	723,494				
VT		305,584				
VA		22,355	17,652			
WASH	1,260,217	353,123	59,106			
W VA						
WIS	6,390,724	10,969,628	3,361,528		181,394	110,992
WYO		1,058				
U S 4/	28,351,665	27,540,384	11,362,764	1,489,853	542,762	161,440

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, 1982 1/

STATE	DRY WHOLE MILK	ICE CREAM AND OTHER FROZEN PRODUCTS	OTHER MILK PRODUCTS	TOTAL 2/	DUPLICATIONS	NET TOTAL 3/
1,000 POUNDS						
ALA		245,417	2,694	278,230	60,425	217,805
ALAS		5,376		5,905	711	5,194
ARIZ				642,397	19,935	622,462
ARK		103,296		426,662	27,005	399,657
CALIF		1,605,013	123,746	8,321,833	369,378	7,952,455
COLO		199,328	19,076	307,396	7,952	299,444
CONN				661,988	19,902	642,086
DEL				8,222	1,389	6,833
FLA		606,332		616,848	194,178	422,670
GA		172,410		307,503	32,425	275,078
HAW				49,141	18,152	30,989
IDAHO		68,022	3,736	1,787,868	121,220	1,666,648
ILL		589,075	90,517	1,591,788	194,019	1,397,769
IND		366,730	35,649	1,429,696	93,624	1,336,072
IOWA		295,502	21,870	2,586,175	164,610	2,421,565
KANS		154,629	22,247	837,229	31,409	805,820
KY				1,117,426	44,500	1,072,926
LA		149,634		215,760	9,573	206,187
MAINE				37,193	2,365	34,828
MD		198,849		961,534	70,663	890,871
MASS		703,543		747,719	199,025	548,694
MICH		547,198	45,440	2,210,725	72,228	2,138,497
MINN		495,754		10,319,991	439,757	9,880,234
MISS		85,497		284,302	11,706	272,596
MO		316,777	28,926	2,480,751	68,693	2,412,058
MONT		34,145	6,415	124,091	6,486	117,605
NEBR		158,256	5,668	1,196,661	92,689	1,103,972
NEV				27,450	1,013	26,437
N H				16,146	4,547	11,599
N J		349,613		832,025	64,951	767,074
N MEX			10,478	69,383	2,577	66,806
N Y		1,008,978	142,956	5,140,794	566,488	4,574,306
N C		525,457	3,352	651,001	224,709	426,292
N DAK		36,667	5,289	665,196	50,651	614,545
OHIO		793,197	67,596	2,763,913	178,628	2,585,285
OKLA		178,808	12,742	476,021	30,111	445,910
OREG		159,069	15,106	925,337	38,322	887,015
PA		1,139,396	59,176	4,159,277	139,005	4,020,272
R I				24,643	5,253	19,390
S C		157,636		157,974	62,052	95,922
S DAK		5,068		983,656	69,183	914,473
TENN		298,055	10,411	1,388,699	73,716	1,314,983
TEX		808,764	27,921	1,620,147	89,736	1,530,411
UTAH		146,639	8,785	1,299,766	142,630	1,157,136
VT				787,682	91,947	695,735
VA		144,033	14,199	480,338	40,458	439,880
WASH		285,474	32,033	1,992,853	47,805	1,945,048
W VA		53,672		54,878	1,827	53,051
WIS		315,576	599,517	21,933,032	1,192,255	20,740,777
WYO				75,412	6,252	69,160
U S 4/	758,018	14,268,229	1,605,542	86,080,657	5,498,135	80,582,522

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

TABLE 48--SKIM MILK EQUIVALENTS: CALCULATED QUANTITIES USED IN SPECIFIED SKIM MILK AND BUTTERMILK PRODUCTS, BY STATES, 1982 1/

STATE	COTTAGE CHEESE CURD	SWEETENED CONDENSED SKIM MILK, BULK	UNSWEETENED CONDENSED SKIM MILK, BULK	DRY		OTHER PRODUCTS	TOTAL 3/
				BUTTER- MILK	NONFAT MILK 2/		
1,000 POUNDS							
ALA	11,650						11,650
ARIZ							
ARK							219,125
CALIF	550,438		435,297	25,773	3,098,810		4,166,025
COLO	78,781						78,781
CONN							
DEL							
FLA							
GA							
IDAHO	14,344				304,579		321,574
ILL	184,013						184,013
IND	115,694						564,960
IOWA	82,781						1,184,698
KANS	77,544						422,240
KY							187,801
LA							111,959
MAINE							110,769
MD 4/	55,231						702,315
MASS							194,661
MICH	142,125		194,151	28,600	1,076,273		1,441,149
MINN				87,153	2,070,123		2,250,277
MISS							
MO	104,031		88,284				379,374
MONT	23,088						23,088
NEBR	19,406						241,507
NEV							
N H							
N J							
N MEX	35,038						35,038
N Y	633,100		148,395	22,649	538,373		1,364,849
N C	12,075						12,075
N DAK	22,850			4,301	91,102		118,253
OHIO	289,513				439,087		817,745
OKLA	44,050						256,689
OREG	54,950						204,945
PA	256,181		128,229	12,848	613,965		1,013,782
R I							
S C							
S DAK					424,523		
TENN	37,381						267,006
TEX	100,563						303,602
UTAH	34,669				42,240		78,526
VT							386,851
VA	55,444						224,050
WASH	127,963						1,255,901
W VA							
WIS	205,894	122,424	199,734	123,453	1,487,354	97,407	2,236,266
U S 5/	3,930,937	147,444	1,896,399	424,952	15,514,048	211,200	22,124,980

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, 1972-82

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					
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	65,944	29.9	45.4	3.4	17.8	3.5	100.0
1979	67,504	28.7	46.7	3.4	17.3	3.9	100.0
1980	73,327	30.8	45.8	3.7	16.1	3.6	100.0
1981	77,916	31.6	46.9	3.8	15.4	2.3	100.0
1982	80,583	31.0	48.3	3.7	15.0	2.0	100.0

TABLE 50--SKIM MILK EQUIVALENTS OF CERTAIN SKIM-MILK AND BUTTERMILK PRODUCTS, UNITED STATES, 1972-82

YEAR	FULL-SKIM AMERICAN CHEESE	COTTAGE CHEESE CURD	CONDENSED AND EVAPORATED SKIM MILK	NON FAT DRY MILK	CONDENSED AND DRIED BUTTERMILK	TOTAL 1/
	MILLION POUNDS					
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
1981	2/	4,047	2,179	14,543	605	21,374
1982	2/	3,921	2,102	15,514	578	22,125

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

TABLE 51--NUMBER OF DAIRY PLANTS MANUFACTURING ONE OR MORE DAIRY PRODUCTS, 1978-82

STATE	1978	1979	1980	1981	1982
ALA	23	21	19	19	19
ALAS	2	2	2	2	3
ARIZ	14	13	13	12	5
ARK	14	14	14	13	13
CALIF	271	269	263	259	258
COLO	34	28	28	26	23
CONN	41	38	35	33	21
DEL	2	2	1	1	1
FLA	24	24	24	24	24
GA	23	21	20	21	18
HAW	5	5	5	5	5
IDAHO	26	26	25	24	24
ILL	92	88	86	80	78
IND	47	41	41	42	41
IOWA	61	55	56	51	46
KANS	30	30	30	27	26
KY	36	36	34	30	31
LA	25	26	25	25	25
MAINE	24	21	19	18	14
MD 1/	19	19	19	19	18
MASS	59	52	47	46	32
MICH	73	69	65	64	58
MINN	99	96	88	83	83
MISS	24	22	23	22	20
MO	46	42	42	44	43
MONT	22	20	19	19	19
NEBR	31	30	28	24	23
NEV	3	3	3	3	3
N H	12	11	9	6	4
N J	30	31	34	33	32
N MEX	5	5	5	4	4
N Y	174	176	164	147	149
N C	26	26	25	24	24
N DAK	32	26	24	21	20
OHIO	114	112	107	98	95
OKLA	21	20	20	18	17
OREG	28	26	26	26	26
P A	121	120	104	96	95
R I	17	13	13	12	5
S C	12	11	9	9	9
S DAK	29	27	27	25	26
TENN	39	34	31	33	32
TEX	48	47	46	49	51
UTAH	23	23	23	24	24
VT	25	22	21	23	19
VA	21	22	19	22	21
WASH	38	37	34	34	31
W VA	11	10	10	10	10
WIS	455	429	425	419	394
WYO	10	9	7	7	7
U S	2,461	2,350	2,257	2,176	2,069

1/ INCLUDES DISTRICT OF COLUMBIA.