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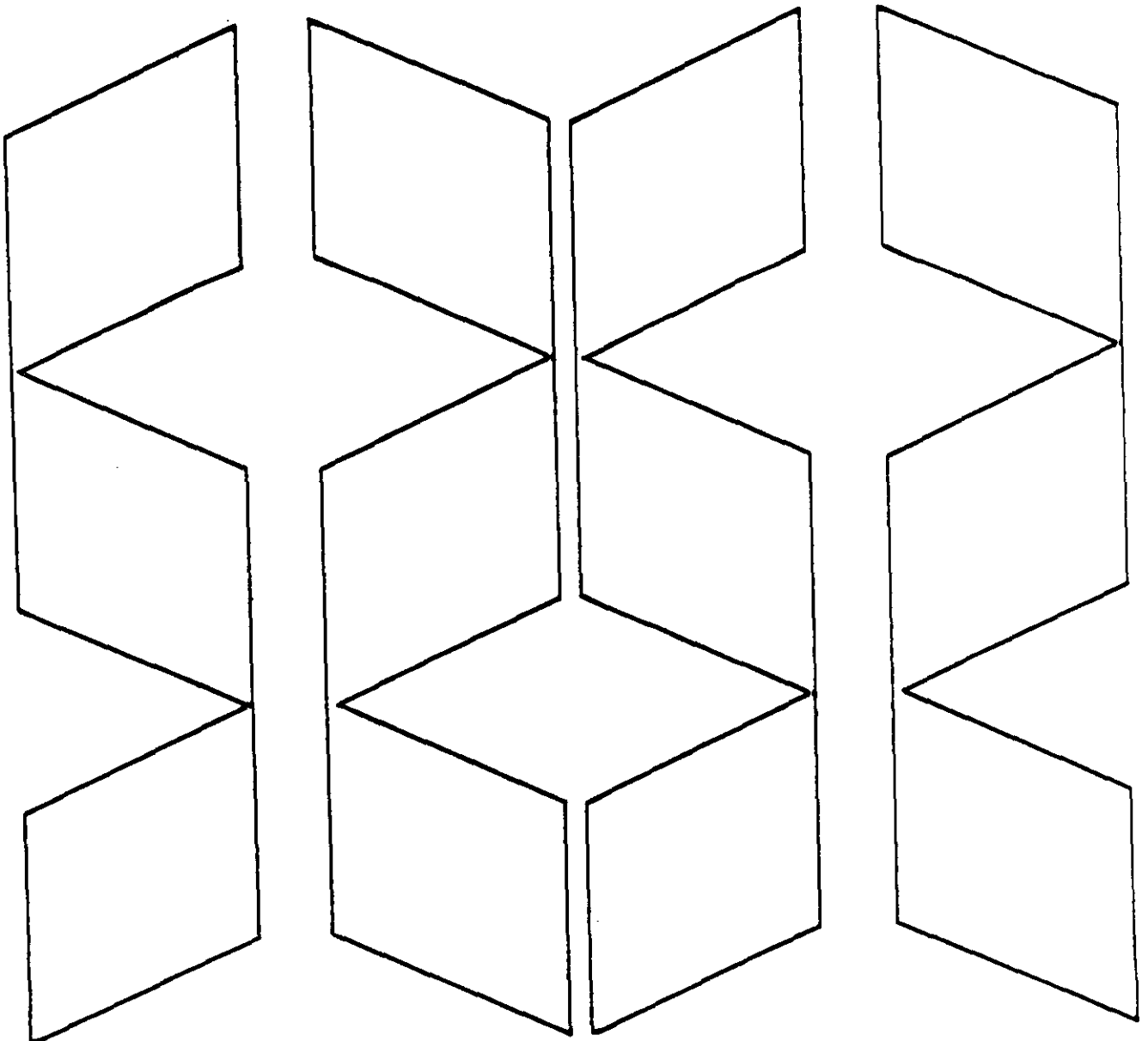
Washington, D.C.



May 1991
Da 2-1(91)

Dairy Products

1990 Summary



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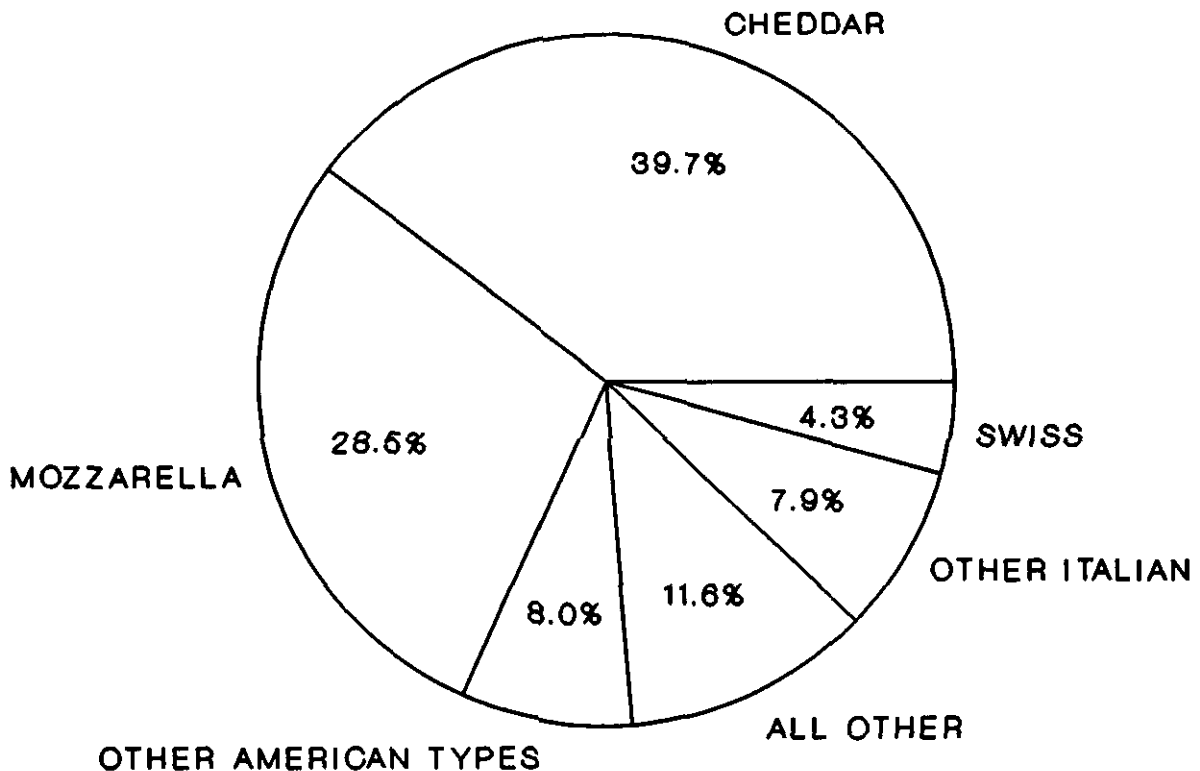
BUTTER PRODUCTION HIGHER IN 1990

Production of butter in the United States during 1990 totaled 1.30 billion pounds 1/2 percent more than was produced in 1989. Wisconsin, the leading state accounted for 25 percent of production followed by California with 21 percent and Minnesota with 9 percent.

CHEESE OUTPUT UP 8 PERCENT

Total cheese production, excluding cottage cheeses, was 6.06 billion pounds, 8 percent above the 1989 production. Wisconsin was the leading state with 32 percent of production.

CHEESE PRODUCTION 1990



AMERICAN TYPE CHEESE production at 2.89 billion pounds, was 8 percent above 1989 and accounted for 48 percent of total cheese in 1990.

ITALIAN VARIETIES continued their increase to a record 2.21 billion pounds, 8 percent above the 1989 production. Mozzarella accounted for 78 percent of the Italian production followed by Ricotta with 9 percent and Provolone with 7 percent. Wisconsin was the leading state in Italian cheese production with 31 percent of production.

CREAMED COTTAGE CHEESE at 531 million pounds was down 7 percent from 1989, while Lowfat cottage cheese at 302 million pounds was up slightly.

FROZEN DAIRY PRODUCTS were mixed in 1990. Ice cream production totaled 816 million gallons, down 2 percent. Ice milk at 349 million gallons was down 7 percent. Milk sherbet at 49.8 million gallons was down 5 percent. Frozen yogurt production at 119 million gallons was up 44 percent. The 303 million gallons of soft products (ice cream, ice milk, sherbet, and mellorine) made during 1990 accounted for 24 percent of the total frozen dairy products, excluding yogurt. Ice milk made up the major portion of (85 percent) of soft production. Soft frozen dairy products are sold from direct-serve soft freezer and milk shake machines.

NONFAT DRY MILK for human food production, at 877 million pounds was virtually unchanged from 1989 production. Dry buttermilk production at 55.9 million pounds was down 8 percent.

WHOLE MILK USED FOR DAIRY PRODUCTS used 60.6 percent of all milk marketed in the United States compared with 59.4 percent in 1989. Whole milk used for manufacturing (based on milk fat content) totaled 88.6 billion pounds 5 percent more than 1989.

The milk equivalent used for butter production consumed 31 percent of milk sold while cheese accounted for 50 percent.

TABLE 1: MILK MARKETINGS AND UTILIZATION FOR MANUFACTURED DAIRY PRODUCTS,
UNITED STATES, 1971-90

MILK MARKETED			MILK MARKETED		
YEAR	TOTAL	USED FOR DAIRY PRODUCTS	YEAR	TOTAL	USED FOR DAIRY PRODUCTS
	MIL LBS	PERCENT		MIL LBS	PERCENT
1971	114,814	53.7	1981	130,467	59.7
1972	116,487	53.5	1982	133,144	60.5
1973	112,141	52.3	1983	137,228	61.2
1974	112,375	54.6	1984	132,421	58.3
1975	112,337	53.9	1985	140,558	59.4
1976	117,221	55.2	1986	140,735	59.1
1977	119,831	56.0	1987	140,450	58.3
1978	118,795	55.5	1988	142,910	59.3
1979	120,869	55.8	1989	142,163	59.4
1980	126,067	58.2	1990	146,236	60.6

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TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES,
BY MONTHS, 1989, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
BUTTER	162	134395	127643	139812	128840	124362	97852
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	266	196945	178630	195049	196251	206745	193852
OTHER AMERICAN 1/	163	34218	32283	38664	36881	41118	39344
TOTAL AMER.	315	231163	210913	233713	233132	247863	233196
PART SKIM	3	59	46	55	45	58	44
SWISS	54	20875	18704	20864	20315	20863	21354
MUNSTER	54	7602	6446	8008	7364	8369	7755
BRICK	29	1881	1349	1672	1649	1419	1522
LIMBURGER	1	56	92	74	61	104	78
ITALIAN VARIETIES							
MOZZARELLA	151	129408	117069	138475	133000	140225	136727
OTHER ITALIAN	106	39041	36582	44579	36168	39149	37505
TOTAL ITALIAN:	179	168449	153651	183054	169168	179374	174232
CREAM	21	25284	21977	32074	25756	27649	29530
NEUFCHATEL	7	1653	1264	1855	1574	1210	2145
BLUE 2/	13	2173	2639	3083	3179	3262	2541
ALL OTHER TYPES 3/	91	9712	8370	10500	8973	10857	11158
TOTAL CHEESE 4/	544	468914	425455	494958	471224	501037	483562
COTTAGE CHEESE:							
CURD 5/	181	43079	43342	47467	44303	47367	46991
CREAMED 6/	179	46233	46852	52451	48567	51528	50979
LOWFAT 7/	134	24016	24332	27352	25788	27459	26500
CANNED MILK:							
EVAPORATED AND COND. WHOLE 8/	14	43619	42126	52108	50660	53202	52237
EVAPORATED SKIM	6	1176	1638	1771	1883	2974	1033
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	7	6456	6843	6605	6826	6910	8816
UNSWEETENED	23	17424	11892	13822	14359	15414	21145
SKIM							
SWEETENED	7	3452	5303	4886	4797	6636	8101
UNSWEETENED	63	75524	70678	91147	94561	108041	102900
CONDENSED OR EVAPORATED BUTTERMILK	10	3904	3491	3925	3906	3683	3967
DRY MILK:							
DRY WHOLE MILK	18	14334	13155	13647	14364	14309	13784
NONFAT DRY MILK FOR HUMAN FOOD	75	90509	88052	95145	100640	97792	79545
DRY SKIM MILK FOR ANIMAL FEED:	50	2661	1179	605	1261	1828	2363
DRY BUTTERMILK	46	7825	7110	7110	6396	5329	4186
YOGURT PLAIN & FRUIT FLAVORED	139	65442	67845	82278	83477	79074	86788

SEE FOOTNOTES ON PAGE 7.

TABLE 2--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES,
BY MONTHS, 1989, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
	1,000 POUNDS						
BUTTER	73462	81735	82834	97830	96519	110125	1295409
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	184988	170597	166035	169373	169568	193171	2221204
OTHER AMERICAN 1/	36399	39608	38575	39793	36860	39128	452871
TOTAL AMER.	221387	210205	204610	209166	206428	232299	2674075
PART SKIM	50	53	68	132	102	113	825
SWISS	19455	19938	18545	18636	14361	17328	231238
MUNSTER	7120	7109	7799	7585	7771	8193	91121
BRICK	1644	1473	1106	1270	1208	1297	17490
LIMBURGER	69	105	68	80	57	57	901
ITALIAN VARIETIES							
MOZZARELLA	129858	129625	132424	132314	128667	144069	1591861
OTHER ITALIAN	35932	37082	32427	36626	37887	38055	451033
TOTAL ITALIAN:	165790	166707	164851	168940	166554	182124	2042894
CREAM							
NEUFCHATEL	29128	33494	36846	41962	40567	35061	379328
BLUE 2/	1612	1826	1837	2348	2391	1916	21631
ALL OTHER TYPES 3/	2691	2941	2809	3212	3052	2979	34561
TOTAL CHEESE 4/	9923	10886	9974	10720	10510	9648	121231
TOTAL CHEESE 4/	458878	454744	448520	464053	453011	491016	5615372
COTTAGE CHEESE:							
CURD 5/	43157	47659	43090	42016	41095	37347	526913
CREAMED 6/	47605	52592	46475	45335	43669	39977	572263
LOWFAT 7/	25090	26888	25155	24377	23052	20872	300881
CANNED MILK:							
EVAPORATED AND COND. WHOLE 8/	41895	41462	37255	35754	34395	40415	525128
EVAPORATED SKIM	1130	2168	1889	1757	1163	1587	20169
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	7905	10726	10481	9128	7224	5560	93480
UNSWEETENED	14891	15274	15537	11831	12668	13209	177466
SKIM							
SWEETENED	5001	6192	6670	5899	4278	5048	66263
UNSWEETENED	101242	110236	77836	93585	77747	76302	1079799
CONDENSED OR EVAPORATED BUTTERMILK	3332	3136	2732	2931	2715	2754	40476
DRY MILK:							
DRY WHOLE MILK	12810	15009	14163	16727	16300	17166	175768
NONFAT DRY MILK FOR HUMAN FOOD	61231	52657	44925	48152	51180	64839	874667
DRY SKIM MILK FOR ANIMAL FEED:	760	1292	376	1205	1389	3786	18705
DRY BUTTERMILK	2951	3272	3930	3644	3742	5022	60517
YOGURT PLAIN & FRUIT FLAVORED	75346	79037	84425	76510	62415	66741	912378

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, 1990

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
BUTTER	152	133949	121806	121635	119222	118575	96721
CHEESE TYPES:							
AMERICAN VARIETIES:							
CHEDDAR	253	203000	189831	213971	208181	216342	211971
OTHER AMERICAN 1/	155	38329	36203	42019	43849	44858	38670
TOTAL AMER.	297	241329	226034	255990	252030	261200	250641
PART SKIM	3	194	77	70	52	84	22
SWISS	54	19750	19117	21044	23417	25019	23789
MUNSTER	51	7992	7109	7980	8584	8603	8739
BRICK	26	1535	1367	1350	1250	1619	1687
LIMBURGER	1	54	66	73	62	69	60
ITALIAN VARIETIES							
MOZZARELLA	151	140726	129764	151345	150981	157191	149780
OTHER ITALIAN	108	41197	36590	45687	41457	42155	42496
TOTAL ITALIAN:	179	181923	166354	197032	192438	199346	192276
CREAM	22	27757	23534	33908	27892	31474	30982
NEUFCHATEL	8	805	1851	1930	2525	2026	2098
BLUE 2/	12	3113	2863	3466	3604	3488	3164
ALL OTHER TYPES 3/	92	8680	7820	8853	9293	9915	9398
TOTAL CHEESE 4/	515	493132	456191	531696	521147	542843	522856
COTTAGE CHEESE:							
CURD 5/	170	40992	40394	45822	41891	43937	41597
CREAMED 6/	173	44487	43508	48437	44959	48456	44117
LOWFAT 7/	132	23992	23862	27675	25923	27483	26184
CANNED MILK:							
EVAPORATED AND							
COND. WHOLE 8/	14	44930	46936	55081	53317	52730	56273
EVAPORATED SKIM	6	1069	931	920	586	745	951
BULK CONDENSED MILK:							
WHOLE							
SWEETENED	7	8315	6800	9264	9779	9369	10356
UNSWEETENED	21	10461	10687	13746	12800	11434	14319
SKIM							
SWEETENED	8	3723	3419	3524	3249	4217	3689
UNSWEETENED	62	86472	81055	92571	95068	106594	101552
CONDENSED OR							
EVAPORATED							
BUTTERMILK	10	3938	2931	3200	3085	3579	3377
DRY MILK:							
DRY WHOLE MILK	19	30104	13283	11575	17148	14395	15868
NONFAT DRY MILK							
FOR HUMAN FOOD	76	67200	70572	78511	84335	93450	87675
DRY SKIM MILK							
FOR ANIMAL FEED:	41	2480	2290	2106	2228	2333	2212
DRY BUTTERMILK	47	6354	5306	5169	4899	4602	3842
YOGURT PLAIN &							
FRUIT FLAVORED	154	75521	80951	92425	86068	86629	86460

SEE FOOTNOTES ON PAGE 9.

TABLE 3--PRODUCTION OF SPECIFIED PRODUCTS, UNITED STATES,
BY MONTHS, 1990

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1989
1,000 POUNDS								
BUTTER	84571	84202	83436	106743	110082	121235	1302177	100.5
CHEESE TYPES:								
AMERICAN VARIETIES:								
CHEDDAR	202093	196012	178560	190618	191959	204201	2406739	108.4
OTHER AMERICAN 1/	38930	37243	36194	42090	41663	43980	484028	106.9
TOTAL AMER.	241023	233255	214754	232708	233622	248181	2890767	108.1
PART SKIM	79	18	64	62	76	47	845	102.4
SWISS	23734	22573	21225	20323	19131	21615	260737	112.8
MUNSTER	8365	8893	8150	9052	8192	8473	100132	109.9
BRICK	1483	1539	1212	1345	1484	1466	17337	99.1
LIMBURGER	72	72	50	78	68	79	803	89.1
ITALIAN VARIETIES								
MOZZARELLA	146176	142958	138480	143280	135936	143749	1730366	108.7
OTHER ITALIAN	34654	35004	34055	39384	40519	45099	478297	106.0
TOTAL ITALIAN	180830	177962	172535	182664	176455	188848	2208663	108.1
CREAM	31963	35704	39910	43542	40611	37482	404759	106.7
NEUFCHATEL	1987	1445	1776	2643	3731	3223	26040	120.4
BLUE 2/	2782	2848	2777	2896	2518	2915	36434	105.4
ALL OTHER TYPES 3/	9933	10714	10101	10603	9573	9762	114645	94.6
TOTAL CHEESE 4/	502251	495023	472555	505916	495461	522091	6061162	107.9
COTTAGE CHEESE:								
CURD 5/	42044	42940	39464	41005	38227	35139	493452	93.7
CREAMED 6/	45776	46942	42105	43893	40177	37779	530636	92.7
LOWFAT 7/	26487	27043	24326	25353	22899	20718	301945	100.4
CANNED MILK:								
EVAPORATED AND COND. WHOLE 8/	52010	49482	43504	51979	50248	46157	602647	114.8
EVAPORATED SKIM	662	888	1398	1131	1048	2207	12536	62.2
BULK CONDENSED MILK:								
WHOLE								
SWEETENED	8215	9889	9792	8600	8657	6335	105371	112.7
UNSWEETENED	12239	12716	13205	13935	9151	9724	144417	81.4
SKIM								
SWEETENED	4004	3997	4288	4120	3170	3110	44510	67.2
UNSWEETENED	106382	107436	92127	98187	81964	82104	1131512	104.8
CONDENSED OR EVAPORATED								
BUTTERMILK	3176	2892	2743	2805	2831	2690	37247	92.0
DRY MILK:								
DRY WHOLE MILK	14172	13023	12228	12535	11854	8944	175129	99.6
NONFAT DRY MILK FOR HUMAN FOOD	75631	62333	52163	54922	68667	81177	876636	100.2
DRY SKIM MILK FOR ANIMAL FEED	1909	1819	896	1071	1743	2134	23221	124.1
DRY BUTTERMILK	3236	3088	3492	4653	5181	6029	55851	92.3
YOGURT PLAIN & FRUIT FLAVORED	82105	79508	87502	81676	66414	73681	978940	107.3

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, 1989, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	307	57467	60805	75110	68867	80433	85781
ICE MILK 1/ 2/	137	22439	24344	31942	32128	38267	40874
MILK SHERBET 1/	161	3391	3709	4902	4481	5543	5980
YOGURT		3417	5534	7893	7496	7535	8679
OTHER FROZEN							
DAIRY PRODUCTS 1/ MELLORINE TYPE	121	1756	2576	3424	3019	3280	3560
FROZEN DESSERTS 1/	5	440	589	737	771	862	802
WATER ICES 1/	189	3121	4226	4900	5479	5800	6314
MIX FOR PRODUCTS:							
ICE CREAM MIX	466	29916	31109	38356	35803	42811	45128
ICE MILK MIX 3/	440	13354	14780	19503	19929	24103	25383
MILK SHERBET MIX	333	2206	2306	3099	2930	3670	3903
MELLORINE MIX	37	335	662	789	709	760	682
YOGURT MIX	137	2278	3689	5262	4997	5023	5786

SEE FOOTNOTES ON PAGE 11.

TABLE 5--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, UNITED STATES,
BY MONTHS, 1989, REVISED

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	7	3746	3790	4044	4167	3860	4081
ANIMAL FEED	2	1359	1136	1093	1234	1347	1303
ACID TYPE:							
HUMAN FOOD							
ANIMAL FEED	1	25					
TOTAL COND.	10	5130	4926	5137	5401	5207	5384
DRY WHEY:							
HUMAN FOOD	54	79819	68726	77272	80543	86705	77533
ANIMAL FEED	56	15566	14409	21086	15048	13921	15833
TOTAL DRY	69	95385	83135	98358	95591	100626	93366
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	7	6177	5945	6356	5645	5747	6062
ANIMAL FEED	6	2003	2007	2187	2094	2713	2604
PART DEMINERALIZE:							
HUMAN FOOD	3	3459	2864	2607	2818	2906	2658
ANIMAL FEED	2	8	24	74	6	8	12
WHEY PROTEIN							
CONCENTRATE							
HUMAN FOOD	23	10380	9610	10796	10827	10956	10483
ANIMAL FEED	11	1686	1714	2024	1863	2295	2478
LACTOSE							
HUMAN FOOD	21	14155	13230	15901	15608	15871	14149
ANIMAL FEED	6	558	494	483	650	759	834
TOTAL LACTOSE:	24	14713	13724	16384	16258	16630	14983
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	6	1357	981	1495	1103	1316	1067
ANIMAL FEED	5	9118	8058	9180	7152	7320	6411

SEE FOOTNOTES ON PAGE 11.

TABLE 4--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES,
BY MONTHS, 1989, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 GALLONS							
FROZEN PRODUCTS:							
ICE CREAM	81090	81523	67102	61310	57785	53886	831159
ICE MILK 2/	37987	39459	32135	28391	25706	22835	376507
MILK SHERBET	5335	5082	4100	3298	3152	3689	52662
YOGURT	9083	9692	6998	6186	5429	4512	82454
OTHER FROZEN DAIRY PRODUCTS							
MELLORINE TYPE	3119	3310	2420	1947	1998	1595	32004
FROZEN DESSERTS	577	591	497	432	394	284	6976
WATER ICES	5726	4668	2942	2320	1893	1779	49168
MIX FOR PRODUCTS:							
ICE CREAM MIX	43058	43273	34635	31266	29458	26177	430990
ICE MILK MIX 3/	23811	24536	19803	17610	16576	14218	233606
MILK SHERBET MIX	3429	3308	2671	2208	2044	2057	33831
MELLORINE MIX	557	693	518	473	302	290	6770
YOGURT MIX	6055	6461	4665	4124	3619	3008	54967

1/ PLANT COUNT DOES NOT INCLUDE COUNTER-FREEZERS. 2/ INCLUDES FREEZER-MADE MILK-SHAKE. SEE FOOTNOTE, TABLE 37. 3/ INCLUDES MILKSHAKE MIX.

TABLE 5--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, UNITED STATES,
BY MONTHS, 1989, REVISED

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1,000 POUNDS							
CONDENSED WHEY SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	3804	3963	3447	3741	3288	3440	45371
ANIMAL FEED	1222	1167	1234	1255	1061	1107	14518
ACID TYPE:							
HUMAN FOOD							
ANIMAL FEED			5				30
TOTAL COND.	5026	5130	4686	4996	4349	4547	59919
DRY WHEY:							
HUMAN FOOD	73897	65710	66074	65652	66674	73648	882253
ANIMAL FEED	18690	18564	11998	13948	13958	14196	187217
TOTAL DRY	92587	84274	78072	79600	80632	87844	1069470
MODIFIED DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	5054	5390	4194	4940	2696	3399	61605
ANIMAL FEED	2297	2612	1926	1637	1845	1973	25898
PART DEMINERALIZE:							
HUMAN FOOD	2178	2445	1339	1493	1431	1136	27334
ANIMAL FEED	10	12			4		158
WHEY PROTEIN CONCENTRATE							
HUMAN FOOD	9568	8761	8098	8597	9060	10066	117202
ANIMAL FEED	2227	2383	2103	1861	2148	2232	25014
LACTOSE							
HUMAN FOOD	12322	12931	11784	11969	13386	13448	164754
ANIMAL FEED	542	617	410	309	323	170	6149
TOTAL LACTOSE:	12864	13548	12194	12278	13709	13618	170903
WHEY SOLIDS IN WET BLENDS							
HUMAN FOOD	726	1043	1249	1390	1433	912	14072
ANIMAL FEED	6295	6739	7627	9229	10119	7574	94822

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, 1990

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 GALLONS					
FROZEN PRODUCTS:							
ICE CREAM 1/	319	54300	59016	72183	69372	77666	82205
ICE MILK 1/ 2/	169	23976	24224	31338	32120	35069	35761
MILK SHERBET 1/	204	3248	3443	4495	4825	5416	5376
YOGURT		5802	8868	11027	8460	10740	11814
OTHER FROZEN							
DAIRY PRODUCTS 1/	163	2911	3858	5047	5252	5633	6564
MELLORINE TYPE							
FROZEN DESSERTS 1/	14	403	482	511	516	600	543
WATER ICES 1/	184	2833	3561	5014	5446	5949	6351
MIX FOR PRODUCTS:							
ICE CREAM MIX	476	27868	30094	36643	35303	39457	41842
ICE MILK MIX 3/	425	14839	15401	19243	19824	22035	22230
MILK SHERBET MIX	326	2188	2207	2932	2984	3504	3391
MELLORINE MIX	38	359	702	728	705	667	583
YOGURT MIX	199	3868	5912	7351	5640	7160	7876

SEE FOOTNOTES ON PAGE 13.

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, UNITED STATES,
BY MONTHS, 1990

PRODUCTS	PLANTS	JAN	FEB	MAR	APR	MAY	JUN
	NUMBER	1,000 POUNDS					
CONDENSED WHEY							
SOLIDS CONTENT 1/							
SWEET TYPE:							
HUMAN FOOD	8	4724	4326	4077	4587	3919	4202
ANIMAL FEED	2	1017	700	1123	1356	1084	359
ACID TYPE:							
HUMAN FOOD							
ANIMAL FEED							
TOTAL COND.	8	5741	5026	5200	5943	5003	4561
DRY WHEY:							
HUMAN FOOD	54	80444	77626	84253	86555	86866	84621
ANIMAL FEED	57	14385	14544	14570	14675	17963	16590
TOTAL DRY	67	94829	92170	98823	101230	104829	101211
MODIFIED							
DRY WHEY PRODUCTS							
PART DELACTOSED							
HUMAN FOOD	8	5345	4433	6046	5585	5372	4078
ANIMAL FEED	8	2275	1788	1863	2008	2325	2045
PART DEMINERALIZE:							
HUMAN FOOD	1	1535	1446	1731	1757	1937	1690
ANIMAL FEED							
WHEY PROTEIN							
CONCENTRATE							
HUMAN FOOD	23	12246	11184	12543	11833	12991	12071
ANIMAL FEED	10	2075	2133	2299	2300	2619	2444
LACTOSE							
HUMAN FOOD	22	15859	15860	18604	18983	19648	16706
ANIMAL FEED	2	197	275	295	290	367	218
TOTAL LACTOSE	23	16056	16135	18899	19273	20015	16924
WHEY SOLIDS IN							
WET BLENDS							
HUMAN FOOD	6	2300	2015	2151	1902	1750	1593
ANIMAL FEED	5	8319	6114	6101	6659	7303	6528

SEE FOOTNOTES ON PAGE 13.

TABLE 6--PRODUCTION OF FROZEN PRODUCTS, UNITED STATES,
BY MONTH, 1990

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1989
1,000 GALLONS								
FROZEN PRODUCTS:								
ICE CREAM	85946	78980	64410	63239	55509	53251	816077	98.2
ICE MILK 2/ MILK SHERBET	36115	35439	27302	25919	21690	19847	348800	92.6
YOGURT	5631	4968	3707	3337	2907	2925	50278	95.5
OTHER FROZEN DAIRY PRODUCTS	12756	12560	10314	9467	8664	8172	118644	143.9
MELLORINE TYPE FROZEN DESSERTS	6209	6063	4216	3501	2923	2353	54530	170.4
WATER ICES	732	676	558	557	410	294	6282	90.1
MIX FOR PRODUCTS:	6177	4971	3385	2850	2300	1867	50704	103.1
ICE CREAM MIX	43947	40355	32595	32182	27608	26095	413989	96.1
ICE MILK MIX 3/ MILK SHERBET MIX	22421	22502	16865	15783	13555	12151	216849	92.8
MELLORINE MIX	3589	3093	2455	2112	1843	1850	32148	95.0
YOGURT MIX	730	920	679	642	366	361	7442	109.9
	8504	8373	6876	6311	5776	5448	79095	143.9

1/ PLANT COUNT DOES NOT INCLUDE COUNTER-FREEZERS. 2/ INCLUDES FREEZER-MADE MILKSHAKE. SEE FOOTNOTE TABLE 37. 3/ INCLUDES MILKSHAKE MIX.

TABLE 7--PRODUCTION OF WHEY AND MODIFIED WHEY PRODUCTS, UNITED STATES,
BY MONTHS, 1990

PRODUCTS	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	PERCENT OF 1989
1,000 POUNDS								
CONDENSED WHEY SOLIDS CONTENT 1/ SWEET TYPE:								
HUMAN FOOD	4723	4737	4061	4613	3698	4555	52222	115.1
ANIMAL FEED	232	63	127	106	104	190	6461	44.5
ACID TYPE:								
HUMAN FOOD								
ANIMAL FEED								
TOTAL COND.	4955	4800	4188	4719	3802	4745	58683	97.9
DRY WHEY:								
HUMAN FOOD	84304	79264	71573	73516	69842	74122	952986	108.0
ANIMAL FEED	15945	15469	15055	16083	15962	19032	190273	101.6
TOTAL DRY	100249	94733	86628	89599	85804	93154	1143259	106.9
MODIFIED DRY WHEY PRODUCTS								
PART DELACTOSED								
HUMAN FOOD	3721	4668	2903	3554	4611	5024	55340	89.8
ANIMAL FEED	1753	1833	1732	1616	1431	1578	22247	85.9
PART DEMINERALIZE:								
HUMAN FOOD	1528	1447	1023	506	1341	1343	17284	63.2
ANIMAL FEED								
WHEY PROTEIN CONCENTRATE								
HUMAN FOOD	11093	11310	10212	11560	11484	11756	140283	119.7
ANIMAL FEED	2381	2515	2086	2308	2274	2339	27773	111.0
LACTOSE								
HUMAN FOOD	15509	13604	12598	13731	15933	13372	190407	115.6
ANIMAL FEED	225	209	59	18	8	18	2179	35.4
TOTAL LACTOSE	15734	13813	12657	13749	15941	13390	192586	112.7
WHEY SOLIDS IN WET BLENDS								
HUMAN FOOD	1956	1488	1920	2275	1798	1786	22934	163.0
ANIMAL FEED	8834	8638	6637	6630	6712	5715	84190	88.8

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

TABLE 8--BUTTER
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	25535	23518	23942	23351	24121	23242	21822	22028
ILL	124	86	139	145	156	124	167	136
KANS	1902	1726	1932	1858	2007	1541	1334	1276
MICH	1177	1349	1775	1637	1737	1560	1484	1388
MINN	11668	11279	11673	10126	10006	7998	7495	8350
MO	2029	2145	1830	1986	1841	469	609	592
MONT	88	80	94	74	81	50	67	77
N Y	2058	2273	1843	1859	1678	1218	1201	1266
N DAK	456	377	281	284	349	406	277	387
OHIO	5422	4054	3903	4114	4091	2544	1505	1471
OKLA	1786	2042	611	774	761	1194	1242	1225
OREG	1369	1238	1403	1372	1442	1422	1586	1091
PA	8557	6830	7070	7728	7581	4616	4664	3949
WIS	31948	29807	29198	28687	28156	24744	21616	21647
OTH 1/	39830	35002	35941	35227	34568	25593	19502	19319
U S	133949	121806	121635	119222	118575	96721	84571	84202

SEE FOOTNOTES ON PAGE 15.

TABLE 9--SWISS CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
ILL	5626	5002	5597	6456	7436	5998	6360	5920
OHIO	4328	4561	5557	5822	6550	6449	5589	5125
PA	425	394	520	516	604	591	537	530
UTAH 2/	2126	1968	1242	2237	2283	2260	2203	2238
WIS	3062	3144	3415	3823	3548	3493	3512	3199
OTH 1/	4183	4048	4713	4563	4598	4998	5533	5561
U S	19750	19117	21044	23417	25019	23789	23734	22573

SEE FOOTNOTES ON PAGE 15.

TABLE 8--BUTTER
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS:PRODUCTION	1990 PLANTS:PRODUCTION		
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	21361	23563	22809	24498	21	254685	20	279790
ILL	218	183	188	149	3	2354	3	1815
KANS	932	1515	1479	1776	2	21555	2	19278
MICH	1173	1439	1482	1820	5	27635	5	18021
MINN	8414	9654	9695	9051	12	135628	12	115409
MO	277	903	1215	1520	2	14979	2	15416
MONT	71	148	95	92	7	1193	6	1017
N Y	1271	1792	1843	1994	12	26011	10	20296
N DAK	391	531	528	499	7	6416	7	4766
OHIO	1808	3488	3905	4327			6	40632
OKLA	670	1361	1564	1540	3	18279	3	14770
OREG	1142	1223	987	1386	8	15344	8	15661
PA	4414	6322	6977	7255	8	67248	9	75963
WIS	21325	27563	26318	29350	19	318717	15	320359
OTH 1/	19969	27058	30997	35978	53	385365	44	358984
U S	83436	106743	110082	121235	162	1295409	152	1302177

TABLE 9--SWISS CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS:PRODUCTION	1990 PLANTS:PRODUCTION		
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ILL	5581	6105	6170	7508			8	73759
OHIO	4645	4096	3258	4164	16	56933	16	60144
PA	459	501	484	504	4	5950	4	6065
UTAH 2/	2193	1934	1825	2089	2	23320	2	24598
WIS	3033	2954	2903	2730	16	43982	14	38816
OTH 1/	5314	4733	4491	4620	16	101053	10	57355
U S	21225	20323	19131	21615	54	231238	54	260737

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	55813	49937	59361	57801	62243	62552	60207	60379
IDAHO	15278	10892	12968	13714	14211	13834	15154	15191
ILL	8796	8454	9082	9580	10505	9064	9127	8957
IND								
IOWA	25056	21213	26197	24435	26321	24412	22961	24139
KANS	4945	4641	4890	4953	5085	4638	4575	4026
KY	2428	2528	2821	3135	3446	2333	1985	1929
MICH	9292	9556	10252	8992	9447	9352	9240	9509
MINN	56338	52678	58780	58053	59764	56054	52484	50219
MISS								
MO	12944	12658	16331	16004	16408	16377	16582	12870
NEBR	11220	10152	11699	11871	12523	11802	11624	11617
N J								
N Y	41299	38824	47788	44551	45394	44023	40978	43446
N DAK	3385	3247	3745	3859	4356	4357	3952	3703
OHIO	7499	7418	8599	8745	9847	9444	8847	8220
OREG	2953	2755	3107	3046	3191	3220	3341	3587
PA	20443	18634	22533	22314	21787	21792	22289	20712
S DAK	13364	12160	14032	13198	14164	13817	12583	12222
TENN	1593	1934	1988	2222	1997	1430	989	1279
UTAH	5103	5158	4576	6071	6094	6665	6582	5731
VT	9536	9395	11396	11075	10724	10600	8784	9253
WASH	5837	5253	5879	5765	6428	6633	6750	6611
WIS	155465	144720	167658	162057	171069	165191	157239	157474
OTH 1/	24545	23984	28014	29706	27839	25266	25978	23949
U S	493132	456191	531696	521147	542843	522856	502251	495023

SEE FOOTNOTES ON PAGE 17.

TABLE 11--BRICK CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
WIS	972	725	931	767	935	805	887	1039
OTH 1/	563	642	419	483	684	882	596	500
U S	1535	1367	1350	1250	1619	1687	1483	1539

SEE FOOTNOTES ON PAGE 17.

TABLE 10--TOTAL CHEESE, EXCLUDING COTTAGE CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	57678	58707	57715	62099	42	608088	42	704492
IDAHO	14931	16228	18177	17896	10	160648	10	178474
ILL	7795	8893	9275	10637	23	115090	21	110165
IND					4	27183		
IOWA	24025	26434	24826	23132	10	256091	5	293151
KANS	3411	4750	4645	4525	6	46988	6	55084
KY	2032	1860	2078	2253	6	31373	7	28828
MICH	7495	8257	7432	9066	13	73673	10	107890
MINN	48412	52576	52606	56224	20	610843	18	654188
MISS					4	8808		
MO	15208	17141	18230	18752	9	191757	9	189505
NEBR	10855	12071	10706	10785	7	112959	8	136925
N J					6	44404		
N Y	38805	40436	41710	39975	36	500172	34	507229
N DAK	3215	3508	3540	3761	7	40017	7	44628
OHIO	7553	7616	7173	7639	18	92137	18	98600
OREG	3622	3847	3593	3702	5	34810	5	39964
PA	18387	20934	19186	19586	27	220564	25	248597
S DAK	11859	12730	12709	13620	13	148849	12	156458
TENN	1108	1331	1506	1681	4	13202	13	19058
UTAH	5859	6163	5873	6329	10	65042	10	70204
VT	10181	9691	10811	11347	11	108371	12	122793
WASH	5868	6132	4955	5211	7	67630	8	71322
WIS	151743	161518	152003	164093	210	1847455	188	1910230
OTH 1/	22513	25093	26712	29778	36	189218	47	313377
U S	472555	505916	495461	522091	544	5615372	515	6061162

TABLE 11--BRICK CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1989 PLANTS	1989 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
WIS	736	854	977	894	21	7627	16	10522
OTH 1/	476	491	507	572	8	9863	10	6815
U S	1212	1345	1484	1466	29	17490	26	17337

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	23433	21202	25135	24766	27529	27254	27301	27336
IDAHO	8659	6690	8072	8753	8862	8536	8455	8026
ILL	50	688	252	50	60	65	56	83
IND								
IOWA	11584	10587	12510	12414	12887	12014	10710	10546
KANS	3560	3350	3627	3596	3592	3308	3254	2661
KY	1175	1187	1375	1266	1618	910	721	750
MICH								
MINN	51053	48073	53369	52484	53546	50888	49292	46760
MISS								
MO	6379	5780	6973	6719	6551	6096	5182	4454
N Y	7831	8488	9536	7845	8291	9042	8377	7793
N DAK	3385	3247	3745	3859	4356	4357	3952	3703
OHIO								
OREG	2941	2744	3097	3031	3178	3208	3330	3575
S DAK	6255	3587	4074	3945	3478	4826	3695	4127
TENN	814	1042	1013	1272	1067	736	409	440
UTAH	2675	2604	3066	3373	3235	4067	3821	3146
WIS	81704	77428	86061	82715	87681	82797	79538	79513
OTH 2/	29831	29337	34085	35942	35269	32537	32930	30342
U S	241329	226034	255990	252030	261200	250641	241023	233255

SEE FOOTNOTES ON PAGE 19.

TABLE 13--MUNSTER CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
ILL	231	160	198	187	205	196	235	278
WIS	6365	5616	6438	6803	6954	7117	6848	7038
OTH 2/	1396	1333	1344	1594	1444	1426	1282	1577
U S	7992	7109	7980	8584	8603	8739	8365	8893

SEE FOOTNOTES ON PAGE 19.

TABLE 12--TOTAL AMERICAN TYPE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	25703	25999	25944	26775	21	244849	21	308377
IDAHO	7209	8175	10675	11401	10	104774	10	103513
ILL	47	63	151	63	6	3493	6	1628
IND					4	27183		
IOWA	9330	10308	9717	9763	10	126037	7	132370
KANS	2222	3384	3457	3761	4	34867	4	39772
KY	607	387	650	877	4	12088	5	11523
MICH					6	18478		
MINN	45579	47097	47944	50731	15	561856	15	596816
MISS					4	8544		
MO	3158	5340	6215	8027	6	78604	6	70874
N Y	7356	7112	7536	7368	11	83678	11	96575
N DAK	3215	3508	3540	3761	7	40017	7	44628
OHIO					6	15264		
OREG	3607	3835	3584	3691	5	34689	4	39821
S DAK	2630	4243	4573	4558	10	59632	10	49991
TENN	582	688	851	1036	5	6018	8	9950
UTAH	3384	3792	3735	3869	10	37716	10	40767
WIS	71253	76733	72165	76764	130	924206	117	954352
OTH 2/	28872	32044	32885	35736	41	252082	56	389810
U S	214754	232708	233622	248181	315	2674075	297	2890767

TABLE 13--MUNSTER CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ILL	218	232	243	288	6	2068	5	2671
WIS	6679	7172	6770	7186	37	74933	34	80986
OTH 2/	1253	1648	1179	999	11	14120	12	16475
U S	8150	9052	8192	8473	54	91121	51	100132

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	17675	15708	18267	16619	20885	21119	20755	21520
IDAHO								
MINN	49056	46127	51367	50143	51606	49219	46982	44960
MISS								
MO	2868	2989	3498	3193	3053	2784	2304	1615
N Y	7657	8347	9386	7697	8116	8887	8184	7601
N DAK	3383	3247	3745	3859	4354	4356	3951	3703
S DAK	5113	2446	3049	2459	1738	3186	2390	2836
UTAH	1723	1604	1975	1870	2128	2752	2651	2009
WIS	67244	62849	68728	67703	69146	68172	64490	64445
OTHER 1/	48281	46514	53956	54638	55316	51496	50386	47323
U S	203000	189831	213971	208181	216342	211971	202093	196012

TABLE 15--BLUE CHEESE 2/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
WIS	1977	1934	2393	2442	2159	2025	1615	1831
OTH 1/	1136	929	1073	1162	1329	1139	1167	1017
U S	3113	2863	3466	3604	3488	3164	2782	2848

SEE FOOTNOTES ON PAGE 21.

TABLE 14--CHEDDAR CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	19509	18080	18147	19978	18	176196	19	228262
IDAHO					8	59961		
MINN	42694	44306	45218	47307			15	568985
MISS					4	8544		
MO	1056	1818	3122	4325			5	32625
N Y	7204	6917	7311	7227	10	80983	10	94534
N DAK	3213	3508	3539	3758			7	44616
S DAK	1500	2618	2855	3224	8	51212	8	33414
UTAH	2175	2720	2699	2508	10	22842	10	26814
WIS	57481	61986	57804	60423	111	737116	99	770471
OTH 1/	43728	48665	51264	55451	97	1084350	80	607018
U S	178560	190618	191959	204201	266	2221204	253	2406739

TABLE 15--BLUE CHEESE 2/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
WIS	1802	1699	1563	2024	7	21794	7	23464
OTH 1/	975	1197	955	891	6	12767	5	12970
U S	2777	2896	2518	2915	13	34561	12	36434

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	5758	5494	6868	8147	6644	6135	6546	5816
IDAHO								
MINN	1997	1946	2002	2341	1940	1669	2310	1800
MO	3511	2791	3475	3526	3498	3312	2878	2839
N Y	174	141	150	148	175	155	193	192
S DAK	1142	1141	1025	1486	1740	1640	1305	1291
UTAH	952	1000	1091	1503	1107	1315	1170	1137
WIS	14460	14579	17333	15012	18535	14625	15048	15068
OTHER 2/	10335	9111	10075	11686	11219	9819	9480	9100
U S	38329	36203	42019	43849	44858	38670	38930	37243

TABLE 17--CREAM CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
N Y	8129	7301	10567	9065	9071	9105	8974	10543
OTH 2/	19628	16233	23341	18827	22403	21877	22989	25161
U S	27757	23534	33908	27892	31474	30982	31963	35704

SEE FOOTNOTES ON PAGE 23.

TABLE 16--OTHER AMERICAN VARIETIES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	6194	7919	7797	6797	19	68653	19	80115
IDAHO					7	44813		
MINN	2885	2791	2726	3424			3	27831
MO	2102	3522	3093	3702			3	38249
N Y	152	195	225	141	7	2695	7	2041
S DAK	1130	1625	1718	1334	7	8420	7	16577
UTAH	1209	1072	1036	1361	6	14874	6	13953
WIS	13772	14747	14361	16341	70	187090	65	183881
OTH 2/	8750	10219	10707	10880	47	126326	45	121381
U S	36194	42090	41663	43980	163	452871	155	484028

TABLE 17--CREAM CHEESE
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
	1,000 POUNDS				PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
N Y	8393	8708	10225	8352	5	105041	4	108433
OTH 2/	31517	34834	30386	29130	16	274287	18	296326
U S	39910	43542	40611	37482	21	379328	22	404759

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	28818	25444	30165	28808	30488	31461	29028	28786
ILL	2341	2208	2590	2308	2196	2281	1955	2090
IOWA	8425	5385	6708	6664	7128	6647	6483	6644
MINN	3753	3173	3646	3591	3971	3523	832	1111
N Y	23023	20985	25361	25131	25817	23512	21218	22630
PA	17381	16207	18600	19173	18460	18103	18849	16808
S DAK	7108	8404	9760	9237	10661	8959	8831	7798
WASH	3251	2420	2374	2355	2822	2667	2657	2551
WIS	54282	49222	60441	58622	61054	60094	56753	54999
OTH 1/	33541	32906	37387	36549	36749	35029	34224	34545
U S	181923	166354	197032	192438	199346	192276	180830	177962

TABLE 19--MOZZARELLA AND SIMILARS
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	26578	23023	27452	26755	28320	28334	26562	26907
ILL	1414	1451	1678	1406	1527	1624	1298	1254
N Y	13169	12196	13383	15057	16311	14659	13328	12553
PA	14600	12896	14717	15973	15082	14689	15802	13473
S DAK								
WIS	43113	39714	47692	46375	47535	45968	45397	45951
OTH 1/	41852	40484	46423	45415	48416	44506	43789	42820
U S	140726	129764	151345	150981	157191	149780	146176	142958

SEE FOOTNOTES ON PAGE 25.

TABLE 18--ITALIAN CHEESE, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	27844	27844	27775	31095	23	321486	25	347556
ILL	1480	1964	2272	2451	8	28663	8	26136
IOWA	6912	7042	6782	7242			5	82062
MINN	799	3276	3270	3314	5	31550	5	34259
N Y	20593	22077	21668	21736	18	283605	17	273751
PA	14923	16393	13654	14940	13	180275	13	203491
S DAK	9124	8470	7810	8970	7	89024	5	105132
WASH	2361	2510	2534	2550	4	35637	4	31052
WIS	56991	60499	57953	61979	53	677957	51	692889
OTHER 1/	31508	32589	32737	34571	48	394697	46	412335
U S	172535	182664	176455	188848	179	2042894	179	2208663

TABLE 19--MOZZARELLA AND SIMILARS
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	25567	25417	25436	27492	22	295787	25	317843
ILL	882	1356	1498	1555	8	16795	8	16943
N Y	11507	11233	10587	10373	12	166658	12	154356
PA	11879	13025	10043	11028	11	143490	11	163207
S DAK					6	59765		
WIS	47644	50858	48522	50141	43	545282	43	558910
OTHER 1/	41001	41391	39850	43160	49	364084	52	519107
U S	138480	143280	135936	143749	151	1591861	151	1730366

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	2240	2421	2713	2053	2168	3127	2466	1879
ILL	927	757	912	902	669	657	657	836
N Y	9854	8789	11978	10074	9506	8853	7890	10077
PA	2781	3311	3883	3200	3378	3414	3047	3335
WIS	11169	9508	12749	12247	13519	14126	11356	9048
OTH 1/	14226	11804	13452	12981	12915	12319	9238	9829
U S	41197	36590	45687	41457	42155	42496	34654	35004

SEE FOOTNOTES ON PAGE 27.

TABLE 21--ITALIAN CHEESE PRODUCTION IN THE UNITED STATES, 1989 AND 1990

TYPES	1989	1990	1990 AS % OF 1989
	1,000 POUNDS		PERCENT
HARD:			
PROVOLONE AND SIMILARS	149,126	156,611	105
ROMANO AND SIMILARS	16,557	21,356	129
PARMESAN AND SIMILARS	90,097	93,832	104
OTHER HARD	2,890	3,185	110
TOTAL HARD	258,670	274,984	106
SOFT:			
MOZZARELLA AND SIMILARS	1,593,898	1,732,976	109
RICOTTA AND SIMILARS	185,212	196,313	106
OTHER SOFT	5,114	4,390	86
TOTAL SOFT	1,784,224	1,933,679	108
TOTAL HARD AND SOFT	2,042,894	2,208,663	108

BY REGIONS

REGION	HARD TYPES		SOFT TYPES		TOTAL (HARD AND SOFT)	
	1989	1990	1989	1990	1989	1990
	1,000 POUNDS					
N & S ATLANTIC	45,998	48,582	508,246	515,006	554,244	563,588
E NORTH CENTRAL	118,548	115,196	649,698	699,968	768,246	815,164
W NORTH CENTRAL	68,568	73,865	231,672	301,000	300,240	374,865
SOUTH CENTRAL	2,264	2,154	12,136	11,507	14,400	13,661
WEST	23,292	35,187	382,472	406,198	405,764	441,385
U S	258,670	274,984	1,784,224	1,933,679	2,042,894	2,208,663

TABLE 20--OTHER ITALIAN TYPES
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS		
CALIF	2277	2427	2339	3603	13	25699	15	29713
ILL	598	608	774	896	6	11868	7	9193
N Y	9086	10844	11081	11363	15	116947	13	119395
PA	3044	3368	3611	3912	12	36785	12	40284
WIS	9347	9641	9431	11838	29	132675	27	133979
OTH 1/	9703	12496	13283	13487	31	127059	34	145733
U S	34055	39384	40519	45099	106	451033	108	478297

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, 1981-90 2/

YEAR	PROCESSED CHEESE		PROCESSED CHEESE: FOODS & SPREADS		COLD PACK CHEESE: AND CHEESE FOODS		TOTAL	
	PLANTS	PRODUCTION	PLANTS	PRODUCTION	PLANTS	PRODUCTION	PLANTS	PRODUCTION
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
1983	39	1,158,211	37	667,296	29	111,276	60	1,936,783
1984	33	1,106,841	41	697,187	27	82,048	64	1,886,076
1985	35	1,161,870	41	624,588	31	90,002	63	1,876,460
1986	37	1,182,323	43	676,468	24	89,404	62	1,948,195
1987	33	1,188,528	38	672,772	25	100,419	57	1,961,719
1988	36	1,131,949	40	820,087	25	97,776	57	2,049,812
1989	34	1,124,682	34	804,320	22	78,006	52	2,007,008
1990	31	1,192,701	32	875,786	23	83,656	51	2,152,143

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 CONDIMENT, ETC. 2/ EXCLUDES SPREADS MADE FROM NEUFCHATEL AND CREAM CHEESE.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	2385	2093	2332	2622	2501	2261	2464	2868
ILL	193	98	118	162	133	155	144	181
MICH	569	599	482	325	641	457	395	498
N Y	789	736	843	814	634	701	745	704
TENN	134	159	168	207	232	233	219	169
WIS	1656	1401	1644	1558	1728	2286	2294	2136
OTH 2/	2954	2734	3266	3605	4046	3305	3672	4158
U S	8680	7820	8853	9293	9915	9398	9933	10714

TABLE 24--LOWFAT COTTAGE CHEESE 3/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	4610	3907	4941	4712	5271	5081	5467	5467
COLO	1014	685	698	690	969	713	800	831
ILL	362	360	410	401	454	396	395	450
IND	305	441	672	398	418	343	337	276
IOWA								
KY	452	473	522	477	451	525	519	549
MONT								
NEBR	109	77	89	94	86	94	93	80
N Y	5322	5524	6302	5852	6220	6302	6048	6048
N DAK	321	263	225	213	335	297	268	310
OHIO	1488	1648	1488	1479	1426	1736	1398	1411
OKLA	476	496	607	523	585	565	602	611
OREG	388	343	442	396	450	424	403	438
PA	1314	1791	2197	2038	1776	1604	1808	1858
TENN	319	281	366	774	412	364	379	341
TEX	517	371	411	380	339	380	382	317
WASH	944	900	1080	1030	1152	1047	1056	1016
WIS	1080	1202	1390	1001	1093	990	991	1059
OTH 2/	4971	5100	5835	5465	6046	5323	5541	5981
U S	23992	23862	27675	25923	27483	26184	26487	27043

SEE FOOTNOTES ON PAGE 29.

TABLE 23--ALL OTHER TYPES OF CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	2552	2628	2566	2462	20	22714	19	29734
ILL	123	118	151	105			7	1681
MICH	555	587	513	310			5	5931
N Y	713	709	722	813	10	10650	9	8923
TENN	155	128	120	12			3	1936
WIS	1952	2397	2209	2161	17	21392	21	23422
OTHER 2/	4051	4036	3292	3899	44	66475	28	43018
U S	10101	10603	9573	9762	91	121231	92	114645

TABLE 24--LOWFAT COTTAGE CHEESE 3/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	4775	5195	4505	4320	9	57543	9	58251
COLO	671	811	661	661	3	11743	3	9204
ILL	389	413	374	344	4	4015	6	4748
IND	290	304	283	283	6	2582	7	4350
IOWA					4	6100		
KY	474	523	488	468	3	4328	3	5921
MONT					4	1069		
NEBR	71	95	70	64	3	2103	3	1022
N Y	6032	5779	5535	4492	8	67510	6	69456
N DAK	260	301	303	265	2	3788	2	3361
OHIO	1165	1432	1298	1344	12	17529	11	17313
OKLA	529	540	480	495	6	5936	7	6509
OREG	389	428	396	401	8	5537	7	4898
PA	1797	1789	1606	1129			4	20707
TENN	270	274	200	124	5	3636	5	4104
TEX	173	215	175	166	6	4623	7	3826
WASH	929	1088	999	976	6	11161	6	12217
WIS	950	1099	843	868	4	12429	4	12566
OTH 2/	5162	5067	4683	4318	41	79249	42	63492
U S	24326	25353	22899	20718	134	300881	132	301945

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
ALA	148	149	97	168	183	152	155	177
CALIF	4370	3695	4538	4280	4470	4238	4377	4368
COLO	835	1099	1150	1021	1141	1128	1284	1262
ILL	3888	3826	4447	3976	4677	3911	4134	4493
IND	2448	2106	2060	2401	2436	2073	2040	2118
IOWA	825	720	878	814	890	862	831	867
KY	1441	1521	1702	1563	1600	1693	1883	1813
MICH								
MONT	345	316	393	354	382	341	381	372
NEBR	300	273	310	304	345	303	296	324
N Y	5421	5192	5829	5407	5898	5714	5652	5858
N C	867	937	1057	763	763	873	812	748
N DAK	106	93	198	183	115	111	110	110
OHIO	3512	3286	3889	3529	3584	2969	3297	3550
OKLA	981	876	1088	1028	1050	1022	1056	1042
OREG	883	791	959	958	973	889	949	988
PA	1776	2116	2530	2309	2196	2102	2251	2338
TENN	656	573	626	524	585	639	618	682
TEX	1052	1026	1065	1022	943	1027	1008	888
VA	1356	1271	1467	1396	1542	1228	1311	1442
WASH	1719	1541	1321	1267	1432	1262	1450	1572
WIS	2431	2750	2735	2499	2679	2468	2452	2540
OTH 2/	9127	9351	10098	9193	10572	9112	9429	9390
U S	44487	43508	48437	44959	48456	44117	45776	46942

SEE FOOTNOTES ON PAGE 31.

TABLE 25--CREAMED COTTAGE CHEESE 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA	150	170	134	133			3	1816
CALIF	3917	4078	3611	3591	10	57680	10	49533
COLO	986	1107	1032	933	3	11232	3	12978
ILL	4215	4424	3907	3805	6	49974	6	49703
IND	1994	2008	1921	1788	9	27013	9	25393
IOWA	881	812	807	832	5	10077	4	10019
KY	1698	1944	1731	1672	3	17151	4	20261
MICH					3	16777		
MONT	318	359	320	314	5	4090	4	4195
NEBR	298	295	287	268	3	5205	3	3603
N Y	5019	5195	5556	5660	11	72238	9	66401
N C	732	591	534	473	4	8294	4	9150
N DAK	92	106	103	96	2	1441	2	1423
OHIO	3063	3081	3131	2475	13	42238	13	39366
OKLA	1002	1069	969	925	6	11738	7	12108
OREG	878	898	864	840	12	11968	11	10870
PA	2358	2262	1741	1587	7	27302	5	25566
TENN	467	486	450	362	7	7865	7	6668
TEX	997	1076	903	935	8	12958	8	11942
VA	1105	1111	988	900	3	14103	3	15117
WASH	1209	1335	1338	1178	9	17630	7	16624
WIS	2054	2251	1692	1606	6	30754	6	28157
OTH 2/	8672	9235	8158	7406	44	114535	45	109743
U S	42105	43893	40177	37779	179	572263	173	530636

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.

TABLE 26--COTTAGE CHEESE CURD 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
ALA	86	88	100	98	101	93	86	95
CALIF	4814	4402	5610	4865	4936	5213	5505	5232
COLO	1110	998	1084	1009	1101	1081	1185	1174
ILL	1420	1349	1529	1425	1636	1457	1522	1570
IND	1812	1544	1840	1806	1824	1559	1492	1570
IOWA	823	795	917	920	953	872	849	886
KY	1250	1414	1359	1327	1405	1644	1469	1505
MICH								
MO								
MONT	130	125	136	140	127	125	143	148
NEBR	238	199	228	233	254	233	228	235
N Y	6849	6951	7707	7210	7740	7644	7424	7513
N C	508	547	565	447	497	538	493	453
N DAK	180	212	262	224	263	253	208	247
OHIO	2228	2300	2251	2141	1915	1774	1800	1890
OKLA	795	762	955	872	908	881	922	912
OREG	674	602	765	734	755	693	732	752
PA								
TENN	532	459	549	739	579	579	574	591
TEX	841	811	800	821	688	667	663	664
VA	1067	997	1139	957	1193	951	1039	1125
WASH	1985	1753	1974	1422	1599	1409	1556	1583
WIS	2318	2334	2540	2120	2182	1963	1962	2053
OTH 2/	11332	11752	13512	12381	13281	11968	12192	12742
U S	40992	40394	45822	41891	43937	41597	42044	42940

SEE FOOTNOTES ON PAGE 33.

TABLE 26--COTTAGE CHEESE CURD 1/
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
ALA	88	92	78	78	3	1082	3	1083
CALIF	4750	4648	4294	4156	10	62144	8	58425
COLO	941	1128	957	937	3	13085	3	12705
ILL	1488	1557	1348	1287	5	22410	4	17588
IND	1512	1480	1528	1313	9	19727	9	19280
IOWA	900	889	816	809	5	9928	4	10429
KY	1549	1641	1620	1309	4	14640	4	17492
MICH					3	15300		
MO					5	19220		
MONT	118	147	127	121	5	2333	4	1587
NEBR	213	233	205	191	3	4321	3	2690
N Y	7099	6990	6988	6407	11	90365	9	86522
N C	445	528	478	419	4	5362	4	5918
N DAK	202	192	243	208	2	3081	2	2694
OHIO	1723	1745	1909	1620	12	22461	13	23296
OKLA	844	896	800	787	6	10057	7	10334
OREG	682	693	673	676	12	9820	11	8431
PA					7	34776		
TENN	443	446	413	385	6	6139	7	6289
TEX	685	806	582	599	8	10063	8	8627
VA	904	895	805	710	3	11015	3	11782
WASH	1310	1497	1451	1304	6	29058	6	18843
WIS	1694	2224	2080	2033	6	29058	6	25503
OTH 2/	11874	12278	10832	9790	49	110526	52	143934
U S	39464	41005	38227	35139	181	526913	170	493452

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
SWEETENED CONDENSED WHOLE MILK								
WIS	7649	6277	8959	9103	8514	10070	7887	9626
OTH 1/	666	523	305	676	855	286	328	263
U S	8315	6800	9264	9779	9369	10356	8215	9889
SWEETENED CONDENSED SKIM MILK								
WIS	3723	3362	3477	3202	3856	3531	3847	3660
OTH 1/		57	47	47	361	158	157	337
U S	3723	3419	3524	3249	4217	3689	4004	3997
UNSWEETENED CONDENSED WHOLE MILK								
N Y	1423	2272	2387	2242	2328	2477	1991	2260
WIS								
OTH 1/	9038	8415	11359	10558	9106	11842	10248	10456
U S	10461	10687	13746	12800	11434	14319	12239	12716
UNSWEETENED CONDENSED SKIM MILK								
CALIF	32804	29021	33664	35784	41781	40032	45933	44664
IOWA								
MICH	4840	4093	5110	5538	5384	4517	3921	5384
MO	4039	4471	5302	5312	5473	3971	3360	3096
N Y	5754	4680	5423	5552	6803	7625	6710	5615
OHIO	7067	5926	5655	5033	7779	6443	5951	8810
WIS	5536	5146	3504	4019	4300	3912	3493	4503
OTH 1/	26432	27718	33913	33830	35074	35052	37014	35364
U S	86472	81055	92571	95068	106594	101552	106382	107436

SEE FOOTNOTES ON PAGE 35.

TABLE 27--CONDENSED MILK, BULK PRODUCTS
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
SWEETENED CONDENSED WHOLE MILK								
WIS	9455	8553	8270	6145	5	86162	5	100508
OTH 1/	337	47	387	190	2	7318	2	4863
U S	9792	8600	8657	6335	7	93480	7	105371
SWEETENED CONDENSED SKIM MILK								
WIS	3907	3859	2803	2975	5	64480	5	42202
OTH 1/	381	261	367	135	2	1783	3	2308
U S	4288	4120	3170	3110	7	66263	8	44510
UNSWEETENED CONDENSED WHOLE MILK								
N Y	2073	2738	2607	3363	5	30471	4	28161
WIS					4	16402		
OTH 1/	11132	11197	6544	6361	14	130593	17	116256
U S	13205	13935	9151	9724	23	177466	21	144417
UNSWEETENED CONDENSED SKIM MILK								
CALIF	38828	37458	31422	31582	10	376114	10	442973
IOWA					4	18367		
MICH	4316	5858	4588	3317	4	62253	4	56866
MO	2331	3106	4008	4311	3	38802	3	48780
N Y	5842	5143	4845	5036	11	88677	11	69028
OHIO	9143	8952	7737	6746	4	68660	4	85242
WIS	4907	8031	3172	3149	8	91281	7	53672
OTH 1/	26760	29639	26192	27963	19	335645	23	374951
U S	92127	98187	81964	82104	63	1079799	62	1131512

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
OTH 1/	44930	46936	55081	53317	52730	56273	52010	49482
U S	44930	46936	55081	53317	52730	56273	52010	49482

SEE FOOTNOTES ON PAGE 37.

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
SWEET-TYPE, HUMAN								
OTH 1/	4724	4326	4077	4587	3919	4202	4723	4737
U S	4724	4326	4077	4587	3919	4202	4723	4737
TOTAL CONDENSED 3/								
N Y	2459	2358	2731	3980	3086	2710	2951	2186
OTH 1/	3282	2668	2469	1963	1917	1851	2004	2614
U S	5741	5026	5200	5943	5003	4561	4955	4800

SEE FOOTNOTES ON PAGE 37.

TABLE 28--EVAPORATED AND CONDENSED WHOLE MILK, CASE GOODS
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS:PRODUCTION	1990 PLANTS:PRODUCTION	1990 PLANTS:PRODUCTION	1990 PLANTS:PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
OTH 1/	43504	51979	50248	46157	14	525128	14	602647
U S	43504	51979	50248	46157	14	525128	14	602647

TABLE 29--CONDENSED WHEY, SOLIDS CONTENT 2/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS:PRODUCTION	1990 PLANTS:PRODUCTION	1990 PLANTS:PRODUCTION	1990 PLANTS:PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
SWEET-TYPE, HUMAN								
OTH 1/	4061	4613	3698	4555	7	45371	8	52222
U S	4061	4613	3698	4555	7	45371	8	52222
TOTAL CONDENSED 3/								
N Y	2469	2473	2203	2754	4	31048	4	32360
OTH 1/	1719	2246	1599	1991	6	28871	4	26323
U S	4188	4719	3802	4745	10	59919	8	58683

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	23125	22310	24778	28038	29581	29139	29079	27461
IOWA								
MICH								
MINN	3833	4918	4882	4197	4662	5294	2737	1314
MO	1463	1683	1966	2491	2600	1142	975	803
N Y	465	749	1316	2226	2260	2228	1797	1335
N DAK	125	266	443	413	429	624	368	150
WIS	3142	4428	4777	3296	4403	5967	4245	3005
OTH 1/	35047	36218	40349	43674	49515	43281	36430	28265
U S	67200	70572	78511	84335	93450	87675	75631	62333

TABLE 31--DRY SKIM FOR ANIMAL FEED
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 POUNDS							
CALIF	154	203	207	201	204	232	180	141
N Y	2	8	8	11	15	20	24	15
N DAK	1	3	4	3	3	5	3	1
WIS	65	112	52	46	55	73	52	65
OTH 1/	2258	1964	1835	1967	2056	1882	1650	1597
U S	2480	2290	2106	2228	2333	2212	1909	1819

SEE FOOTNOTES ON PAGE 39.

TABLE 30--NONFAT DRY MILK FOR HUMAN FOOD
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	26038	26753	28360	26962	10	281861	12	321624
IOWA					5	59693		
MICH					4	34342		
MINN	211	609	1886	2358	9	67178	10	36901
MO	201	192	1444	1956	1	9520	1	16916
N Y	1040	536	542	2203	6	11447	6	16697
N DAK					1	4576	1	2818
WIS	1664	2148	2697	5142	8	51291	7	44914
OTH 1/	23009	24684	33738	42556	31	354759	39	436766
U S	52163	54922	68667	81177	75	874667	76	876636

TABLE 31--DRY SKIM FOR ANIMAL FEED
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
CALIF	146	218	183	205	8	1605	9	2274
N Y	3	15	15	25	3	100	3	161
N DAK					1	48	1	23
WIS	46	47	22	38	6	684	3	673
OTH 1/	701	791	1523	1866	32	16268	25	20090
U S	896	1071	1743	2134	50	18705	41	23221

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

TABLE 32--DRY MILK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
DRY WHOLE MILK								
OTH 1/	30104	13283	11575	17148	14395	15868	14172	13023
U S	30104	13283	11575	17148	14395	15868	14172	13023
DRY BUTTERMILK								
CALIF	2081	1730	1971	1705	1940	1789	1713	1606
MINN	1114	851	859	782	637	700	558	460
MO	78	61	58	59	43			
N DAK	21	25	12	17	3	29		
WIS	204	407	348	198	303	239	105	69
OTH 1/	2856	2232	1921	2138	1676	1085	860	953
U S	6354	5306	5169	4899	4602	3842	3236	3088

SEE FOOTNOTES ON PAGE 41.

TABLE 33--LACTOSE-MILK SUGAR
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
FOR HUMAN FOOD								
MINN	4412	4780	5677	5900	6028	5223	5784	3863
OTH 1/	11447	11080	12927	13083	13620	11483	9725	9741
U S	15859	15860	18604	18983	19648	16706	15509	13604
TOTAL LACTOSE 2/								
MINN	4412	4780	5677	5900	6028	5223	5784	3863
N Y								
WIS	5963	5937	6857	6950	7364	5787	5109	5651
OTH 1/	5681	5418	6365	6423	6623	5914	4841	4299
U S	16056	16135	18899	19273	20015	16924	15734	13813

SEE FOOTNOTES ON PAGE 41.

TABLE 32--DRY MILK PRODUCTS
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
DRY WHOLE MILK								
OTH 1/	12228	12535	11854	8944	18	175768	19	175129
U S	12228	12535	11854	8944	18	175768	19	175129
DRY BUTTERMILK								
CALIF	1940	1937	1945	2035	8	18192	9	22392
MINN	636	926	770	566	8	13354	9	8859
MO		29	79	67	1	413	1	474
N DAK					1	322	1	107
WIS	128	210	657	695	5	5002	3	3563
OTH 1/	788	1551	1730	2666	23	23234	24	20456
U S	3492	4653	5181	6029	46	60517	47	55851

TABLE 33--LACTOSE-MILK SUGAR
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER 1,000 LBS		NUMBER 1,000 LBS	
FOR HUMAN FOOD								
MINN	2818	3125	2822	3418			5	53850
OTH 1/	9780	10606	13111	9954	21	164754	17	136557
U S	12598	13731	15933	13372	21	164754	22	190407
TOTAL LACTOSE 2/								
MINN	2818	3125	2822	3418	5	45646	5	53850
N Y					4	11948		
WIS	5479	5747	8380	4717	9	63411	8	73941
OTH 1/	4360	4877	4739	5255	6	49898	10	64795
U S	12657	13749	15941	13390	24	170903	23	192586

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 POUNDS								
HUMAN FOOD								
MINN	16488	15728	16526	17371	17097	16494	15090	14561
N Y	8128	7719	7749	8271	8875	8027	7787	7498
WIS	27147	26825	30409	30333	30392	30761	30271	28088
OTH 1/	28681	27354	29569	30580	30502	29339	31156	29117
U S	80444	77626	84253	86555	86866	84621	84304	79264
ANIMAL FEED								
ILL								
MINN	3278	3085	3042	3463	3294	3211	3145	3323
N Y	530	604	814	833	1268	761	634	506
WIS	6576	6892	6344	6205	9252	7986	8315	8212
OTH 1/	4001	3963	4370	4174	4149	4632	3851	3428
U S	14385	14544	14570	14675	17963	16590	15945	15469
TOTAL DRY WHEY								
ILL								
IOWA	4238	3894	4339	4478	4755	4623	4469	4438
MINN	19766	18813	19568	20834	20391	19705	18235	17884
N Y	8658	8323	8563	9104	10143	8788	8421	8004
WIS	33723	33717	36753	36538	39644	38747	38586	36300
OTH 1/	28444	27423	29600	30276	29896	29348	30538	28107
U S	94829	92170	98823	101230	104829	101211	100249	94733

SEE FOOTNOTES ON PAGE 43.

TABLE 34--DRY WHEY
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 POUNDS				NUMBER	1,000 LBS	NUMBER	1,000 LBS
HUMAN FOOD								
MINN	12912	13400	13902	15412	11	180063	12	184981
N Y	6804	6437	5822	6089	6	88363	6	89206
WIS	25874	25480	23093	25568	14	306984	12	334241
OTH 1/	25983	28199	27025	27053	23	306843	24	344558
U S	71573	73516	69842	74122	54	882253	54	952986
ANIMAL FEED								
ILL					4	5716		
MINN	3046	3668	3989	3309			13	39853
N Y	447	709	1349	386	6	11105	6	8841
WIS	8081	8196	7326	11183	14	102664	13	94568
OTH 1/	3481	3510	3298	4154	32	67732	25	47011
U S	15055	16083	15962	19032	56	187217	57	190273
TOTAL DRY WHEY								
ILL					4	5716		
IOWA	3856	4515	4430	4465			4	52500
MINN	15958	17068	17891	18721	16	218280	16	224834
N Y	7251	7146	7171	6475	6	99468	6	98047
WIS	33955	33676	30419	36751	16	409648	14	428809
OTH 1/	25608	27194	25893	26742	27	336358	27	339069
U S	86628	89599	85804	93154	69	1069470	67	1143259

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	1495	1630	1695	1627	1790	2094	2031	2133
ALAS	5	5	6		8	10	10	10
ARIZ	504	549	650	780	664	687	782	762
ARK	202	231	259	290	353	454	482	402
CALIF	6279	7121	8994	8701	9738	10099	10951	9864
COLO	649	834	938	1034	954	1118	1108	995
FLA	1546	1924	2726	2324	2132	2190	2173	2226
GA	806	865	783	927	965	1128	1014	1064
ILL	2102	2379	3137	2826	2987	3339	3363	3225
IND	1646	1874	2084	1858	2157	2612	2726	2177
IOWA	1691	2383	2643	2364	2829	2916	2871	2637
KANS	387	528	552	518	590	540	704	524
MAINE	26	140	122	124	171	193	207	222
MD 2/	1068	1339	2128	1908	1928	1966	1733	1964
MASS	2213	2388	2049	2157	2540	3200	3448	3424
MICH	1882	1807	2344	2103	2571	2659	3128	2905
MINN	3309	2313	2724	3438	3860	4003	4386	3819
MO	1020	1010	1160	1170	1400	1400	1370	1270
N J	1033	1296	1576	1431	1735	2026	2089	1601
N Y	3320	3081	3612	3982	4077	4159	4920	3976
N C	2534	1973	3206	2992	3370	3479	4005	3674
N DAK	156	141	153	159	205	195	199	215
OHIO	2500	3144	3684	3428	4007	4372	4124	3745
OKLA	802	1008	1096	1059	1071	1335	1356	1092
OREG	596	593	781	851	862	775	778	1192
PA	4777	4919	6689	5685	6885	6670	7078	6495
S C	904	1242	1193	1230	1023	847	951	1204
TENN	1018	1137	1303	1144	1523	1692	1632	1241
TEX	3163	3543	4151	4096	5023	5229	5630	4949
UTAH	494	642	722	644	678	894	784	744
VA	445	285	1077	1077	778	759	593	606
WASH	941	1117	1361	1222	1468	1370	1509	1585
WIS	1588	1545	1838	1886	1921	2125	2241	1779
OTH 1/	3199	4030	4747	4337	5403	5670	5570	5259
U S	54300	59016	72183	69372	77666	82205	85946	78980

SEE FOOTNOTES ON PAGE 45.

TABLE 35--ICE CREAM, TOTAL
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL	
	SEP	OCT	NOV	DEC	1989 PRODUCTION	1990 PRODUCTION
	1,000 GALLONS					
ALA	1429	1586	1285	1040	21447	19835
ALAS	8		5	5	90	72
ARIZ	412	533	460	449	7442	7232
ARK	360	350	186	271	5035	3840
CALIF	8734	7965	7199	7073	107758	102718
COLO	926	892	671	662	10643	10781
FLA	2052	1662	1631	1704	28133	24290
GA	726	668	543	409	11087	9898
ILL	2677	2401	2102	2370	22885	32908
IND	1855	1730	1782	1099	26256	23600
IOWA	2613	2521	3091	2110	27040	30669
KANS	476	457	347	338	6322	5961
MAINE	116	134	98	108	1708	1661
MD 2/	1366	1595	1228	1109	19117	19332
MASS	2811	2684	2883	2878	38546	32675
MICH	2346	2080	1712	1680	27421	27217
MINN	3172	3269	2712	2417	38975	39422
MO	960	1100	690	910	15481	13460
N J	938	1500	1451	1060	18232	17736
N Y	3414	3745	2735	2221	46507	43242
N C	2681	2537	2009	2125	33589	34585
N DAK	143	119	92	96	1973	1873
OHIO	3226	3194	2539	2772	30571	40735
OKLA	1049	1039	666	655	12595	12228
OREG	438	354	429	945	8212	8594
PA	4799	5378	4788	4761	73583	68924
S C	887	851	684	703	14398	11719
TENN	1448	1202	1023	928	18611	15291
TEX	4052	4124	3713	3128	46368	50801
UTAH	662	575	521	467	8085	7827
VA	444	478	699	1108	10455	8349
WASH	1316	1322	1384	1161	16568	15756
WIS	1391	1210	1109	1013	21313	19646
OTH 1/	4483	3984	3042	3476	54713	53200
U S	64410	63239	55509	53251	831159	816077

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

TABLE 35A--ICE CREAM, HARD
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	1495	1630	1695	1627	1790	2094	2031	2133
ALAS	5	5	6		8	10	10	10
ARIZ	478	522	607	738	628	652	744	725
ARK	202	231	258	289	352	452	480	401
CALIF	6279	7121	8994	8701	9738	10099	10951	9864
COLO	649	834	938	1034	954	1118	1108	995
FLA	1530	1900	2680	2300	2100	2180	2140	2200
GA	803	862	780	923	961	1124	1010	1060
ILL	1330	1537	2082	1805	1877	2160	2177	2100
IND	1402	1592	1773	1510	1834	2242	2328	1867
IOWA	1672	2357	2614	2339	2797	2884	2838	2608
KANS	365	498	521	488	557	510	664	495
MAINE	23	118	103	105	145	164	179	192
MD 2/	825	1040	1675	1473	1501	1526	1349	1550
MASS	2089	2253	1925	2033	2392	3005	3248	3235
MICH	1829	1756	2275	2042	2491	2584	3036	2816
MINN	3309	2313	2724	3438	3860	4003	4386	3819
MO	970	950	1100	1110	1330	1320	1300	1200
N J	825	1043	1258	1117	1372	1568	1624	1219
N Y	2938	2726	3177	3489	3563	3602	4289	3472
N C	2528	1969	3199	2986	3363	3471	3996	3666
N DAK	154	139	151	157	202	193	196	212
OHIO	2500	3144	3684	3428	4007	4372	4124	3745
OKLA	792	995	1082	1045	1057	1318	1338	1078
OREG	592	589	775	845	856	768	769	1183
PA	4374	4522	6148	5219	6309	6112	6451	5931
S C	898	1233	1185	1222	1016	841	944	1196
TENN	986	1098	1260	1106	1472	1636	1578	1192
TEX	3075	3446	4036	3984	4884	5084	5476	4810
UTAH	485	634	711	638	669	883	773	741
VA	391	245	975	975	706	687	525	538
WASH	916	1087	1324	1190	1431	1334	1467	1545
WIS	1327	1300	1531	1575	1597	1778	1841	1438
OTH 1/	3009	3800	4478	4091	5126	5389	5237	4946
U S	51045	55489	67724	65022	72945	77163	80607	74182

SEE FOOTNOTES ON PAGE 47.

TABLE 35A--ICE CREAM, HARD
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	1429	1586	1285	1040	6	21447	6	19835
ALAS	8		5	5	4	90	4	72
ARIZ	392	506	436	426	3	7233	3	6854
ARK	359	349	186	270	5	5003	4	3829
CALIF	8734	7965	7199	7073	175	107758	170	102718
COLO	926	892	671	662	10	10643	9	10781
FLA	2020	1630	1600	1680	25	27254	20	23960
GA	723	665	541	407	7	11072	6	9859
ILL	1753	1508	1309	1642	27	22249	17	21280
IND	1594	1484	1521	951	20	26256	18	20098
IOWA	2585	2497	3062	2087	10	26758	12	30340
KANS	447	428	327	319	6	6020	4	5619
MAINE	99	114	84	92	8	1528	9	1418
MD 2/	1088	1241	946	849	12	14917	11	15063
MASS	2652	2530	2718	2720	21	36774	19	30800
MICH	2279	2015	1664	1630	27	24866	26	26417
MINN	3172	3269	2712	2417	6	38975	5	39422
MO	900	1040	650	870	13	14294	11	12740
N J	725	1190	1160	852	12	13904	12	13953
N Y	2995	3305	2417	1966	49	37676	53	37939
N C	2675	2531	2005	2121	17	33589	18	34510
N DAK	141	118	90	94	6	1973	6	1847
OHIO	3226	3194	2539	2772	22	29264	40	40735
OKLA	1036	1025	657	647	9	12463	10	12070
OREG	434	348	423	940	15	8072	12	8522
PA	4562	4918	4420	4404	58	66679	56	63370
S C	881	845	679	698	4	14263	3	11638
TENN	1403	1163	990	899	8	18179	8	14783
TEX	3941	4009	3612	3041	24	44644	23	49398
UTAH	647	570	515	462	10	7969	10	7728
VA	392	424	635	1008	6	9727	6	7501
WASH	1277	1287	1345	1130	11	16010	11	15333
WIS	1153	1025	924	851	25	18437	23	16340
OTH 1/	4227	3712	2882	3283	68	52947	64	50180
U S	60875	59383	52209	50308	729	788933	709	766952

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	715	797	751	997	1120	842	1112	1101
ALAS	28	28	42	4	57	57	70	70
ARIZ	436	488	465	603	596	535	586	704
ARK	83	94	91	118	176	226	170	172
CALIF 2/	2849	3146	3980	4279	4462	4141	4259	4106
COLO	393	443	617	702	742	734	724	747
FLA	1125	1215	1400	1335	1345	1270	1510	1185
ILL	1546	1474	2006	2154	2392	2668	2551	2674
IND	712	704	895	892	944	982	916	846
IOWA 3/	596	737	920	868	1090	1094	1184	1046
KANS	232	249	312	347	464	348	485	473
LA								
MD 4/	324	329	377	459	550	573	582	551
MICH	723	820	1189	1531	1372	1423	1472	1323
MINN	1153	915	882	1074	1183	1233	1297	1272
MISS 5/								
MO	714	626	786	938	979	1173	1050	1062
MONT 6/	48	50	70	80	87	127	117	105
NEBR	137	137	200	158	199	176	218	234
N J	350	414	534	516	345	448	467	448
N Y	1124	965	1203	1151	1198	1339	1156	1343
N C	614	309	677	672	730	642	640	705
N DAK	71	70	97	128	156	154	155	146
OHIO	633	1045	1561	1332	1767	2090	2080	1971
OKLA	322	269	373	292	366	480	446	400
OREG 7/	210	260	275	317	325	339	431	409
PA	1700	1434	1752	2023	2358	2172	2271	2446
S C	318	434	506	391	449	605	523	424
TENN	403	413	511	487	502	599	544	537
TEX	1585	1791	2114	2019	2311	2048	2029	1943
UTAH	265	226	350	312	335	366	370	331
VA	542	417	1335	1065	806	765	710	798
WASH	701	577	921	931	1022	703	896	776
WIS	442	401	467	623	627	621	717	678
OTH 8/	2882	2947	3679	3322	4014	4788	4377	4413
U S	23976	24224	31338	32120	35069	35761	36115	35439

SEE FOOTNOTES ON PAGE 49.

TABLE 36--ICE MILK, TOTAL 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL	
	SEP	OCT	NOV	DEC	1989 PRODUCTION	1990 PRODUCTION
	1,000 GALLONS					
ALA	792	876	622	534	11653	10259
ALAS	70	5	28	28	545	487
ARIZ	479	526	430	446	5919	6294
ARK	117	112	94	100	1968	1553
CALIF 2/	3444	3745	2833	2752	42262	43996
COLO	516	509	389	376	6603	6892
FLA	1100	1060	1025	970	18332	14540
ILL	1814	1624	1365	1263	21497	23531
IND	681	714	706	411	14945	9403
IOWA 3/	870	756	607	627	9405	10395
KANS	287	311	223	162	6139	3893
LA					4360	
MD 4/	480	434	449	399	5632	5507
MICH	878	763	575	499	14451	12568
MINN	1046	1021	736	686	18563	12498
MISS 5/					2046	
MO	843	701	726	535	8425	10133
MONT 6/	78	61	46	57	871	926
NEBR	174	175	86	94	2225	1988
N J	321	433	302	287	4562	4865
N Y	1216	1539	984	983	13249	14201
N C	534	528	350	310	10068	6711
N DAK	93	85	61	47	1506	1263
OHIO	1246	831	634	620	14787	15810
OKLA	439	312	302	213	5298	4214
OREG 7/	241	288	346	365	4188	3806
PA	1945	1730	1578	1171	23065	22580
S C	346	296	282	225	5284	4799
TENN	455	361	314	279	5587	5405
TEX	1478	1512	1257	1293	21639	21380
UTAH	245	223	238	153	3692	3414
VA	625	747	601	896	11227	9307
WASH	816	587	803	470	9560	9203
WIS	409	305	263	227	6489	5780
OTH 8/	3224	2749	2435	2369	40465	41199
U S	27302	25919	21690	19847	376507	348800

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	615	695	653	823	889	711	896	878
ARK	28	33	34	42	72	95	71	70
CALIF	1094	1455	1822	1974	2267	1701	1876	2017
COLO	63	97	146	178	192	153	169	197
FLA	340	450	500	460	430	460	460	450
ILL	330	327	511	484	513	465	449	473
IND	142	125	158	187	186	168	169	142
IOWA	297	387	474	360	447	445	508	426
KANS	92	109	130	117	197	129	220	206
MD 2/	50	54	47	91	117	103	102	78
MICH	147	177	244	301	361	402	392	348
MO	154	147	153	207	151	191	189	201
MONT	13	15	11	16	15	23	21	20
N J								
N Y	404	328	419	403	414	444	362	448
N C	474	202	499	488	524	464	475	524
N DAK	11	11	10	7	11	14	10	11
OHIO	242	351	508	496	476	560	583	561
OKLA	121	94	167	117	128	185	175	173
OREG	47	91	69	94	76	79	116	97
PA	661	441	511	627	760	652	580	693
S C								
TENN	125	135	193	154	147	193	185	160
TEX	496	662	759	797	823	813	794	774
UTAH	122	92	155	132	129	118	115	64
WASH	322	256	449	401	404	213	261	217
WIS	178	149	143	211	191	172	204	194
OTH 1/	1583	1524	2294	2013	2094	2141	2056	2196
U S	8151	8407	11059	11180	12014	11094	11438	11618

SEE FOOTNOTES ON PAGE 51.

TABLE 37--ICE MILK, HARD
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	641	712	491	408	5	9787	5	8412
ARK	44	48	37	32	5	894	4	606
CALIF	1528	1897	1364	1382	70	17137	65	20377
COLO	118	148	90	104	5	1130	5	1655
FLA	500	450	450	370	10	5370	10	5320
ILL	393	287	222	328	17	3888	13	4782
IND	128	158	114	81	17	1973	14	1758
IOWA	408	356	325	322	6	4162	9	4755
KANS	103	136	89	63	5	1869	4	1591
MD 2/	79	42	53	36	4	397	5	852
MICH	243	205	159	139	15	2826	16	3118
MO	169	117	207	129	9	2062	10	2015
MONT	16	15	10	14	5	190	6	189
N J					5	99		
N Y	432	588	366	365	14	3553	14	4973
N C	396	380	250	223	14	5059	14	4899
N DAK	11	13	7	7	3	118	4	123
OHIO	378	278	266	262	17	4080	22	4961
OKLA	160	106	111	67	7	2250	8	1604
OREG	64	82	63	67	11	479	12	945
PA	626	613	539	364	28	7990	30	7067
S C					3	3481		
TENN	162	120	87	85	7	2599	7	1746
TEX	575	622	486	496	12	6925	10	8097
UTAH	53	37	71	36	9	1373	9	1124
WASH	268	138	313	132	9	3941	11	3374
WIS	125	69	79	63	13	1647	12	1778
OTH 1/	1674	1668	1398	1627	44	24987	39	22268
U S	9294	9285	7647	7202	369	120266	358	118389

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

TABLE 38--ICE MILK, SOFT
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	100	102	98	174	231	131	216	223
ALAS	28	28	42	4	57	57	70	70
ARIZ	399	409	377	481	519	475	502	595
ARK	55	61	57	76	104	131	99	102
CALIF	1755	1691	2158	2305	2195	2440	2383	2089
COLO	330	346	471	524	550	581	555	550
FLA	785	765	900	875	915	810	1050	735
ILL	1216	1147	1495	1670	1879	2203	2102	2201
IND	570	579	737	705	758	814	747	704
IOWA	299	350	446	508	643	649	676	620
KANS	140	140	182	230	267	219	265	267
MD 2/	274	275	330	368	433	470	480	473
MICH	576	643	945	1230	1011	1021	1080	975
MO	560	479	633	731	828	982	861	861
MONT	35	35	59	64	72	104	96	85
N J	350	414	534	516	345	448	467	448
N Y	720	637	784	748	784	895	794	895
N C	140	107	178	184	206	178	165	181
N DAK	60	59	87	121	145	140	145	135
OHIO	391	694	1053	836	1291	1530	1497	1410
OKLA	201	175	206	175	238	295	271	227
OREG	163	169	206	223	249	260	315	312
PA	1039	993	1241	1396	1598	1520	1691	1753
S C								
TENN	278	278	318	333	355	406	359	377
TEX	1089	1129	1355	1222	1488	1235	1235	1169
UTAH	143	134	195	180	206	248	255	267
WASH	379	321	472	530	618	490	635	559
WIS	264	252	324	412	436	449	513	484
OTH 1/	3486	3405	4396	4119	4634	5486	5153	5054
U S	15825	15817	20279	20940	23055	24667	24677	23821

SEE FOOTNOTES ON PAGE 53.

TABLE 38--ICE MILK, SOFT
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL	
	SEP	OCT	NOV	DEC	1989 PRODUCTION	1990 PRODUCTION
	1,000 GALLONS					
ALA	151	164	131	126	1866	1847
ALAS	70	5	28	28	545	487
ARIZ	426	481	388	410		5462
ARK	73	64	57	68	1074	947
CALIF	1916	1848	1469	1370	25125	23619
COLO	398	361	299	272	5473	5237
FLA	600	610	575	600	12962	9220
ILL	1421	1337	1143	935	17609	18749
IND	553	556	592	330	12972	7645
IOWA	462	400	282	305	5243	5640
KANS	184	175	134	99	4270	2302
MD 2/	401	392	396	363	5235	4655
MICH	635	558	416	360	11625	9450
MO	674	584	519	406	6363	8118
MONT	62	46	36	43	681	737
N J	321	433	302	287	4463	4865
N Y	784	951	618	618	9696	9228
N C	138	148	100	87	5009	1812
N DAK	82	72	54	40	1388	1140
OHIO	868	553	368	358	10707	10849
OKLA	279	206	191	146	3048	2610
OREG	177	206	283	298	3709	2861
PA	1319	1117	1039	807	15075	15513
S C					1803	
TENN	293	241	227	194	2988	3659
TEX	903	890	771	797	14714	13283
UTAH	192	186	167	117	2319	2290
WASH	548	449	490	338	5619	5829
WIS	284	236	184	164	4842	4002
OTHER 1/	3794	3365	2784	2679	59818	48355
U S	18008	16634	14043	12645	256241	230411

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

TABLE 39--MILK SHERBET 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	134	146	188	199	225	221	127	130
ARIZ	21	27	58	42	30	40	45	39
ARK	18	17	19	18	19	29	28	26
CALIF	292	325	477	487	479	537	577	697
COLO	23	37	32	41	34	39	48	35
FLA	105	135	243	253	300	253	208	172
GA	43	35	51	62	68	47	49	49
ILL	129	132	93	102	174	135	125	141
IND	139	145	195	205	207	224	235	205
IOWA	240	213	377	423	470	442	452	401
KANS	23	25	27	27	25	28	36	21
MD 2/	75	100	96	111	143	158	103	141
MASS	100	122	92	88	170	130	170	123
MICH	92	138	127	155	177	190	166	154
MINN	115	124	162	236	224	237	264	193
MO	43	41	34	54	44	59	62	38
N J	17	14	19	26	32	34	40	25
N Y	240	241	205	290	311	288	393	243
N C	98	132	184	178	235	181	209	205
N DAK	3	4	6	8	8	8	8	6
OHIO	202	206	337	328	411	417	411	368
OKLA	88	49	96	72	83	155	117	100
OREG								
PA	312	280	295	370	279	307	347	257
S C								
TENN	55	72	87	65	74	93	95	81
TEX	148	158	224	227	210	289	320	257
UTAH	43	41	57	40	61	46	81	59
VA	27	2	64	35	186	29	78	71
WASH	66	89	113	118	129	133	120	148
WIS	85	64	111	121	138	117	154	75
OTH 3/	272	329	426	444	470	510	563	508
U S	3248	3443	4495	4825	5416	5376	5631	4968

SEE FOOTNOTES ON PAGE 55.

TABLE 39--MILK SHERBET 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL	
	SEP	OCT	NOV	DEC	1989 PRODUCTION	1990 PRODUCTION
	1,000 GALLONS					
ALA	87	98	74	85	2347	1714
ARIZ	26	30	21	25	565	404
ARK	21	17	18	32	269	262
CALIF	402	478	368	327	5673	5446
COLO	35	21	17	27	430	389
FLA	191	142	153	134	2685	2289
GA	49	32	28	19		532
ILL	87	85	75	130	1515	1408
IND	112	111	76	139	2201	1993
IOWA	276	161	220	254	2802	3929
KANS	21	21	16	13	394	283
MD 2/	110	93	87	48	1488	1265
MASS	79	63	25	63	2168	1225
MICH	116	126	95	110	1971	1646
MINN	127	141	146	99	2313	2068
MO	47	42	35	35	885	534
N J	14	17	12	10	251	260
N Y	192	178	149	175	2456	2905
N C	124	130	82	55	1497	1813
N DAK	8	5	3	7	52	74
OHIO	239	210	187	202	2577	3518
OKLA	70	85	44	38	886	997
OREG					307	
PA	282	320	236	142	4645	3427
S C					1340	
TENN	110	57	59	46	867	894
TEX	185	169	160	165	2250	2512
UTAH	45	24	45	17	525	559
VA	77	31	40	26	906	666
WASH	121	110	105	116	1384	1368
WIS	84	60	61	61	1328	1131
OTH 3/	370	280	270	325	3685	4767
U S	3707	3337	2907	2925	52662	50278

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 41--OTHER FROZEN DAIRY PRODUCTS
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
CALIF	1235	1385	1808	1990	2174	3005	2700	2815
COLO	11	14	12	21	13	43	50	57
MASS								
MO	106	125	118	175	161	112	190	117
MONT								
N Y	537	635	607	711	751	770	516	576
N C	101	121	139	154	137	236	270	126
OHIO	94	124	159	164	117	141	178	128
OKLA								
TENN	13	15	25	17	19	20	32	35
TEX	7	32	59	53	32	42	32	44
OTH 2/	807	1407	2120	1967	2229	2195	2241	2165
U S	2911	3858	5047	5252	5633	6564	6209	6063

SEE FOOTNOTES ON PAGE 57.

TABLE 41--OTHER FROZEN DAIRY PRODUCTS
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
CALIF	1469	1320	1155	1085	15	13144	21	22141
COLO	120	54	11	16	4	95	5	422
MASS					8	558		
MO	97	81	131	41	3	1249	4	1454
MONT					4	100		
N Y	575	718	341	424			28	7161
N C	69	76	55	30	10	514	10	1514
OHIO	96	59	40	56	5	634	10	1356
OKLA					5	126		
TENN	20	20	12	14			3	242
TEX	36	9	9	11	4	100	4	366
OTH 2/	1734	1164	1169	676	63	15484	78	19874
U S	4216	3501	2923	2353	121	32004	163	54530

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
CALIF	88	131	197	199	290	289	294	283
COLO	8	22	48	80	59	85	62	37
ILL	65	64	61	58	98	79	57	107
IND	72	60	115	52	134	142	167	112
MO	589	457	567	814	833	875	817	288
N J	8	5	13	19	32	19	31	17
N Y	203	224	393	542	658	693	857	611
N C	63	71	73	126	87	110	100	78
OHIO	213	399	650	734	634	663	484	696
PA	123	138	195	154	243	225	274	230
TENN	26	39	42	41	42	66	59	35
TEX	156	184	281	318	333	378	356	260
VA			1	2	4	3	2	4
WASH	15	22	27	12	28	37	49	191
WIS	273	373	374	366	274	327	318	136
OTH 2/	931	1372	1977	1929	2200	2360	2250	1886
U S	2833	3561	5014	5446	5949	6351	6177	4971

SEE FOOTNOTES ON PAGE 59.

TABLE 42--WATER ICES 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989		1990	
					PLANTS	PRODUCTION	PLANTS	PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
CALIF	291	171	141	108	16	2778	14	2482
COLO	9	37	13	21	5	316	5	481
ILL	119	73	70	75	6	1111	6	926
IND	91	69	36	22			5	1072
MO	392	444	257	159	3	5777	3	6492
N J	11	17	9	8	8	238	8	189
N Y	340	158	174	157	27	5006	22	5010
N C	37	40	33	18	7	830	7	836
OHIO	417	336	331	333	7	2192	10	5890
PA	32	127	96	86	13	2408	14	1923
TENN	31	35	21	18	3	527	3	455
TEX	131	165	157	59	11	2977	11	2778
VA	3	4			3	20	3	23
WASH	80	19	58	9			4	547
WIS	124	142	90	42	6	2924	6	2839
OTH 2/	1277	1013	814	752	74	22064	63	18761
U S	3385	2850	2300	1867	189	49168	184	50704

1/ DOES NOT INCLUDE COUNTER-FREEZER PRODUCTION. 2/ STATES NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANTS OPERATIONS MIGHT BE DISCLOSED.

TABLE 43--ICE CREAM MIX
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	813	854	880	889	960	1114	1103	1136
ARIZ	261	270	423	409	351	350	378	371
ARK	112	122	142	158	181	238	254	210
CALIF	3226	3584	4511	4487	4918	5023	5184	4774
COLO	320	432	477	497	465	567	551	501
FLA	810	1015	1430	1215	1120	1150	1140	1175
GA	380	408	366	444	451	542	514	490
ILL	1299	1416	1775	1717	1868	1984	1996	1893
IND	747	863	951	1064	988	1133	1216	949
IOWA	810	1147	1241	1094	1360	1400	1439	1245
KANS	183	251	259	251	275	254	335	244
MAINE	11	69	60	61	81	92	90	96
MD 1/	558	678	1029	994	975	998	880	949
MASS	1115	1214	1112	1117	1325	1758	1812	1707
MICH	906	873	1177	1039	1368	1290	1568	1513
MINN	1379	984	814	881	1000	912	1125	989
MO	420	420	470	490	580	620	600	580
MONT								
N J	746	903	1135	1123	1301	1644	1671	1365
N Y	1589	1486	1811	2057	2158	2325	2645	2115
N C	1349	1063	1652	1535	1796	1854	2148	1949
N DAK	60	51	62	54	77	70	79	81
OHIO	1293	1575	1828	1636	1868	2083	1946	1807
OKLA	392	475	519	514	529	629	666	546
OREG	254	258	341	384	340	388	514	557
PA	2491	2447	3336	2896	3562	3457	3900	3471
S C	465	647	616	637	518	439	488	619
TENN	532	646	713	624	840	928	892	813
TEX	1742	1912	2291	2212	2751	2870	3061	2750
UTAH	253	327	369	329	342	446	397	378
VA	312	226	602	602	425	420	399	401
WASH	471	551	685	601	696	679	782	740
WIS	816	764	962	969	1016	1090	1250	1067
OTH 2/	1753	2163	2604	2323	2972	3095	2924	2874
U S	27868	30094	36643	35303	39457	41842	43947	40355

SEE FOOTNOTES ON PAGE 61.

TABLE 43--ICE CREAM MIX
 PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	772	880	678	562	6	11516	6	10641
ARIZ	193	270	235	224			3	3735
ARK	189	182	98	148	6	2626	5	2034
CALIF	4313	3913	3381	3589	29	53421	28	50903
COLO	464	443	333	334	7	5611	7	5384
FLA	1080	870	860	895	9	14533	10	12760
GA	360	315	254	194	7	5355	6	4718
ILL	1554	1503	1335	1225	15	14792	16	19565
IND	799	753	797	453	13	12196	13	10713
IOWA	1221	1064	1242	1021	8	12712	10	14284
KANS	241	242	162	160	6	3073	5	2857
MAINE	53	64	46	52			4	775
MD 1/	635	810	639	590	6	9618	7	9735
MASS	1435	1390	1477	1413	19	19403	18	16875
MICH	1153	1112	808	843	25	12937	22	13650
MINN	828	941	831	663	7	16202	7	11347
MO	440	490	340	340	10	6372	10	5790
MONT					7	809		
N J	764	1107	1051	752	6	14022	6	13562
N Y	1753	1833	1331	1056	27	24198	25	22159
N C	1437	1381	1049	1073	17	17397	18	18286
N DAK	61	43	44	44	5	786	5	726
OHIO	1479	1488	1160	1271	21	17460	22	19434
OKLA	508	552	326	325	9	6172	10	5981
OREG	258	346	338	297	14	4061	13	4275
PA	2698	2849	2267	2196	46	38396	49	35570
S C	459	436	351	364	4	7436	3	6039
TENN	749	651	542	478	1	9856	11	8408
TEX	2211	2286	2011	1733	27	25467	27	27830
UTAH	335	291	261	238	10	4111	10	3966
VA	305	319	374	592	5	6647	5	4977
WASH	715	658	726	580	14	8296	14	7884
WIS	743	575	582	504	16	11262	17	10338
OTH 2/	2390	2125	1679	1886	64	34247	64	28788
U S	32595	32182	27608	26095	466	430990	476	413989

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	1,000 GALLONS							
ALA	289	295	280	501	666	380	623	642
ARIZ	289	294	272	347	375	345	362	429
ARK	44	49	46	61	84	105	80	82
CALIF	1737	1882	2383	2560	2638	2508	2560	2437
COLO	266	278	381	422	445	467	449	444
FLA	670	715	835	800	800	750	900	690
ILL	952	898	1171	1308	1472	1725	1646	1724
IND	679	689	878	839	903	970	891	839
IOWA	325	382	487	553	701	705	727	668
KANS	133	132	171	217	253	207	251	252
KY								
MD 2/	152	153	184	205	241	261	267	263
MASS	132	82	80	82	112	163	119	129
MICH	441	493	723	940	772	780	820	742
MISS								
MO	339	293	382	444	499	593	520	521
MONT	31	32	53	58	65	94	87	77
NEBR	99	97	139	120	143	139	157	169
N Y	280	247	306	290	305	347	309	347
N C	277	208	352	368	409	353	326	358
N DAK	50	49	72	100	120	116	120	111
OHIO	315	567	855	679	1051	1244	1222	1145
OKLA	124	109	128	108	147	183	169	140
OREG	136	141	173	189	210	219	266	262
PA	795	758	951	1078	1225	1170	1293	1343
S C	146	191	224	192	211	279	255	218
TENN	267	265	304	318	341	389	343	361
TEX	1163	1202	1435	1297	1591	1313	1310	1240
UTAH	171	145	225	208	225	246	251	221
VA	501	447	841	728	694	655	613	689
WASH	294	247	367	413	481	381	492	433
WIS	194	185	241	304	321	332	378	358
OTH 3/	3548	3876	4304	4095	4535	4811	4615	5168
U S	14839	15401	19243	19824	22035	22230	22421	22502

SEE FOOTNOTES ON PAGE 63.

TABLE 44--ICE MILK MIX 1/
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	437	476	376	360	10	5795	10	5325
ARIZ	309	349	282	297			4	3950
ARK	59	52	46	55	6	968	5	763
CALIF	2069	2215	1686	1629	32	25629	28	26304
COLO	320	293	241	219	9	4220	9	4225
FLA	630	610	580	560	15	11263	13	8540
ILL	1113	1047	895	732	14	14511	14	14683
IND	658	663	705	393	14	13710	14	9107
IOWA	505	436	307	334	9	5704	10	6130
KANS	174	166	125	94	6	4550	6	2175
KY					10	2770		
MD 2/	221	218	219	200			5	2584
MASS	87	55	74	96			8	1211
MICH	486	425	323	271	19	7574	18	7216
MISS					8	1299		
MO	408	354	314	245	9	4235	10	4912
MONT	56	42	33	39	8	619	7	667
NEBR	122	119	76	67	3	1857	3	1447
N Y	305	371	242	240	14	3456	11	3589
N C	273	295	199	174	14	4028	14	3592
N DAK	68	59	44	33	4	944	4	942
OHIO	703	453	304	296	20	7897	23	8834
OKLA	174	128	118	91	8	2319	9	1619
OREG	150	174	238	250	14	2783	12	2408
PA	1018	861	804	617	31	11235	35	11913
S C	171	150	136	110	5	2501	4	2283
TENN	279	232	216	184	11	4238	11	3499
TEX	967	942	813	849	31	13675	29	14122
UTAH	159	148	156	102	9	2409	9	2257
VA	516	533	411	498	5	9067	6	7126
WASH	423	349	382	264	12	4121	12	4526
WIS	209	174	136	122	12	3182	11	2954
OTH 2/	3796	3394	3074	2730	78	57047	71	47946
U S	16865	15783	13555	12151	440	233606	425	216849

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, 1990 AND ANNUAL 1989 AND 1990

STATE	1990							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1,000 GALLONS								
ALA	98	100	132	139	158	156	80	82
ARK	11	11	11	10	10	16	16	14
CALIF	208	234	332	351	353	338	420	451
COLO	16	25	23	29	22	29	36	27
FLA	70	80	145	85	120	130	125	115
GA	26	24	32	41	41	30	29	33
ILL	67	76	70	66	120	93	91	82
IND	68	95	126	92	152	163	87	76
IOWA	206	153	305	318	357	325	362	302
KANS	15	17	17	18	17	19	24	14
MASS	65	82	65	60	136	93	126	94
MICH	63	83	90	101	102	127	92	98
MINN	101	66	79	81	84	86	102	69
MO	22	22	23	36	35	39	42	23
MONT								
N Y	162	164	147	193	214	208	264	179
N C	64	73	116	139	136	119	123	110
N DAK	3	3	4	5	5	5	3	5
OHIO	122	108	141	124	196	186	209	148
OKLA	52	29	57	43	47	80	69	58
OREG								
PA	204	183	197	234	186	202	229	168
S C								
TENN	37	46	53	40	60	54	63	53
TEX	94	102	137	147	134	185	196	160
UTAH	27	25	34	27	37	28	49	35
VA	16		39	20	113	16	45	41
WASH	61	60	79	92	98	101	98	108
WIS	52	40	80	70	86	73	94	52
OTH 2/	258	306	398	423	485	490	515	496
U S	2188	2207	2932	2984	3504	3391	3589	3093

SEE FOOTNOTES ON PAGE 65.

TABLE 45--MILK SHERBET MIX
PRODUCTION BY STATES, BY MONTHS, 1990 AND ANNUAL 1989 AND 1990

STATE	1990				ANNUAL			
	SEP	OCT	NOV	DEC	1989 PLANTS	1989 PRODUCTION	1990 PLANTS	1990 PRODUCTION
	1,000 GALLONS				NUMBER 1,000 GAL		NUMBER 1,000 GAL	
ALA	57	57	47	55	5	1653	5	1161
ARK	12	10	9	17	4	154	4	147
CALIF	290	261	244	221	23	3471	22	3703
COLO	24	16	12	19	7	318	7	278
FLA	115	90	90	80	9	1618	8	1245
GA	31	22	17	13			5	339
ILL	60	55	51	90	7	1114	8	921
IND	73	59	60	78	11	1212	11	1129
IOWA	221	143	169	181	5	2095	6	3042
KANS	14	15	11	9	5	261	3	190
MASS	55	46	18	40	17	1399	15	880
MICH	73	83	63	57	19	1173	15	1032
MINN	55	48	50	32	4	1319	4	853
MO	29	27	19	22	10	561	10	339
MONT					4	52		
N Y	142	132	109	121	14	1746	13	2035
N C	81	90	53	33	11	986	11	1137
N DAK	4	4	2	4	4	61	5	47
OHIO	115	108	108	112	15	1468	15	1677
OKLA	44	46	26	22	8	526	8	573
OREG					9	217		
PA	206	207	146	87	29	2956	34	2249
S C					3	838		
TENN	48	40	34	30	10	619	10	558
TEX	124	110	104	123	15	1416	12	1616
UTAH	27	15	27	11	9	320	9	342
VA	46	17	24	15	4	571	4	392
WASH	90	90	82	83	8	1078	8	1042
WIS	55	38	37	40	11	786	12	717
OTH 2/	364	283	231	255	53	3843	62	4504
U S	2455	2112	1843	1850	333	33831	326	32148

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, 1990

STATE	ICE CREAM				ICE MILK 3/			
	PRODUCTION		:AS % OF TOTAL		PRODUCTION		:AS % OF TOTAL	
	HARD	SOFT	HARD	SOFT	HARD	SOFT	HARD	SOFT
	1,000 GALLONS		PERCENT		1,000 GALLONS		PERCENT	
ALA	19,835		100		8,412	1,847	84	16
ALAS	72		100			487		100
ARIZ	6,854	378	97	3				
ARK	3,829	11	99	1	606	947	45	55
CALIF	102,718		100		20,377	23,619	41	59
COLO	10,781		100		1,655	5,237	17	83
CONN								
DEL								
FLA	23,960	330	97	3	5,320	9,220	29	71
GA	9,859	39	100					
HAW								
IDAHO								
ILL	21,280	11,628	97	3	4,782	18,749	18	82
IND	20,098	3,502	100		1,758	7,645	13	87
IOWA	30,340	329	99	1	4,755	5,640	44	56
KANS	5,619	342	95	5	1,591	2,302	30	70
KY								
LA								
MAINE	1,418	243	89	11				
MD 4/	15,063	4,269	78	22	852	4,655	7	93
MASS	30,800	1,875	95	5				
MICH	26,417	800	91	9	3,118	9,450	20	80
MINN	39,422		100					
MISS								
MO	12,740	720	92	8	2,015	8,118	24	76
MONT					189	737	22	78
NEBR								
NEV								
N H								
N J	13,953	3,783	76	24		4,865	2	98
N MEX								
N Y	37,939	5,303	81	19	4,973	9,228	27	73
N C	34,510	75	100		4,899	1,812	50	50
N DAK	1,847	26	100		123	1,140	8	92
OHIO	40,735		96	4	4,961	10,849	28	72
OKLA	12,070	158	99	1	1,604	2,610	42	58
OREG	8,522	72	98	2	945	2,861	11	89
PA	63,370	5,554	91	9	7,067	15,513	35	65
R I								
S C	11,638	81	99	1				
S DAK								
TENN	14,783	508	98	2	1,746	3,659	47	53
TEX	49,398	1,403	96	4	8,097	13,283	32	68
UTAH	7,728	99	99	1	1,124	2,290	37	63
VT								
VA	7,501	848	93	7				
WASH	15,333	423	97	3	3,374	5,829	41	59
W VA								
WIS	16,340	3,306	87	13	1,778	4,002	25	75
WYO								
OTH 2/	50,180	3,020	94	6	22,268	53,817	29	71
U S	766,952	49,125	95	5	118,389	230,411	32	68

SEE FOOTNOTES ON PAGE 69.

TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION HARD AND SOFT,
BY STATES, 1990 (CONT)

STATE	MILK SHERBET				MELLORINE			
	PRODUCTION		: AS % OF TOTAL :		PRODUCTION		: AS % OF TOTAL :	
	HARD	SOFT	HARD	SOFT	HARD	SOFT	HARD	SOFT
	1,000 GALLONS		PERCENT		1,000 GALLONS		PERCENT	
ALA	1,714		100					
ALAS								
ARIZ								
ARK	262		100					
CALIF	5,446		100					
COLO	389		100					
CONN	1,199							
DEL								
FLA	2,250	39	98	2				
GA	529	3	100					
HAW								
IDAHO								
ILL	1,406	2	93	7				
IND	1,810	183	66	34				
IOWA	3,929		100					
KANS	283		96	4				
KY								
LA								
MAINE								
MD 4/								
MASS	1,225		100					
MICH	1,234	412	86	14				
MINN	2,068		87	13				
MISS								
MO	516	18	97	3				
MONT								
NEBR								
NEV								
N H								
N J	114	146	67	33				
N MEX								
N Y	2,426	479	87	13				
N C	1,813		100					
N DAK	51	23	100					
OHIO	3,518		100					
OKLA	989	8	100					
OREG								
PA	3,290	137	99	1				
R I								
S C								
S DAK								
TENN	745	149	92	8				
TEX	2,416	96	98	2				
UTAH	559		100					
VT								
VA	666		100					
WASH	723	645	60	40				
W VA								
WIS	1,098	33	96	4				
WYO								
OTH 2/	4,477	760	85	15	5,399	883	86	14
U S	47,145	3,133	94	6	5,399	883	86	14

SEE FOOTNOTES ON PAGE 69.

TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION HARD AND SOFT,
BY STATES, 1990 (CONT)

STATE	TOTAL FROZEN PRODUCTS 1/					
	PRODUCTION			PERCENT TOTAL		
	TOTAL	HARD	SOFT	HARD	SOFT	
	1,000 GALLONS			PERCENT		
ALA	31,810	29,963	1,847	94	6	
ALAS	559	72	487	13	87	
ARIZ	13,930	8,000	5,930	57	43	
ARK	5,805	4,847	958	83	17	
CALIF	152,602	128,983	23,619	85	15	
COLO	18,062	12,825	5,237	71	29	
CONN						
DEL						
FLA	41,119	31,530	9,589	77	23	
GA	18,574	13,511	5,063	73	27	
HAW						
IDAHO						
ILL	58,248	27,468	30,780	47	53	
IND	34,996	23,666	11,330	68	32	
IOWA	45,614	39,463	6,151	87	13	
KANS	10,137	7,493	2,644	74	26	
KY						
LA	10,980	7,182	3,798	65	35	
MAINE	2,514	1,421	1,093	57	43	
MD 4/	26,171	16,924	9,247	65	35	
MASS	38,661	33,082	5,579	86	14	
MICH	41,431	30,769	10,662	74	26	
MINN	53,988	44,130	9,858	82	18	
MISS						
MO	24,154	15,298	8,856	63	37	
MONT	2,214	1,477	737	67	33	
NEBR	7,568	4,527	3,041	60	40	
NEV						
N H						
N J	22,861	14,067	8,794	62	38	
N MEX						
N Y	60,595	45,585	15,010	75	25	
N C	43,109	41,222	1,887	96	4	
N DAK	3,210	2,021	1,189	63	37	
OHIO	60,063	49,214	10,849	82	18	
OKLA	17,580	14,766	2,814	84	16	
OREG	12,976	10,043	2,933	77	23	
PA	94,931	73,727	21,204	78	22	
R I						
S C	17,624	15,810	1,814	90	10	
S DAK						
TENN	21,607	17,282	4,325	80	20	
TEX	78,775	63,745	15,030	81	19	
UTAH	11,800	9,411	2,389	80	20	
VT	5,342	4,917	425	92	8	
VA	18,322	12,706	5,616	69	31	
WASH	26,327	19,430	6,897	74	26	
W VA						
WIS	26,557	19,216	7,341	72	28	
WYO						
OTH 2/	60,621	42,092	18,529	69	31	
U S	1,221,437	937,885	283,552	77	23	

SEE FOOTNOTES ON PAGE 69.

TABLE 46--FROZEN DAIRY PRODUCTS: PRODUCTION HARD AND SOFT,
BY STATES, 1990 (CONT)

STATE	PERCENT TOTAL SOFT PRODUCTS SOLD AS:			
	ICE CREAM	ICE MILK	MILK SHERBET	MELLORINE
	PERCENT			
ALA		100		
ALAS		100		
ARIZ	6	92	2	
ARK	1	99		
CALIF		100		
COLO		100		
CONN	14	86		
DEL	20	80		
FLA	3	96		
GA	1	99		
HAW	5	73	22	
IDAHO		22	78	
ILL	38	61		1
IND	31	67	2	
IOWA	5	92		3
KANS	13	87		
KY	2	98		
LA		100		
MAINE	22	78		
MD 4/	46	50	3	
MASS	34	66		
MICH	8	89	4	
MINN		100		
MISS		100		
MO	8	92		
MONT		100		
NEBR	46	54		
NEV	10	90		
N H	20	80		
N J	43	55	2	
N MEX		100		
N Y	35	61	3	
N C	4	96		
N DAK	2	96	2	
OHIO		100		
OKLA	6	93		1
OREG	2	98		
PA	26	73	1	
R I	15	85		
S C	4	96		
S DAK		100		
TENN	12	85	3	
TEX	9	88	1	2
UTAH	4	96		
VT	13	87		
VA	15	85		
WASH	6	85	9	
W VA	25	75		
WIS	45	55		
WYO		100		
U S	18	81	1	

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

TABLE 47--WHOLE MILK EQUIVALENT USED IN MANUFACTURED DAIRY PRODUCTS:
CALCULATED QUANTITIES USED IN SPECIFIED PRODUCTS, ON A WHOLE MILK BASIS,
BY STATES, 1990 1/

STATE	BUTTER	CHEESE		EVAPORATED	CONDENSED	CONDENSED
		AMERICAN	OTHER THAN AMERICAN	& CONDENSED WHOLE MILK CASE	WHOLE MILK (UNSWEETENED) BULK	WHOLE MILK (SWEETENED) BULK
1,000 POUNDS						
ALA						
ALAS						
ARIZ						
ARK						
CALIF	6,388,536	3,122,173	1,866,889			
COLO						
CONN						
DEL						
FLA						
GA						
HAW						
IDAHO		1,045,586				
ILL	41,096	16,367	930,948			
IND						
IOWA		1,340,184	1,099,235			
KANS	438,926	401,737				
KY		116,937				
LA						
MAINE						
MD 4/						
MASS						
MICH	408,000					
MINN	2,612,959	5,999,960	424,383			
MISS						
MO	350,992	715,899	897,109			
MONT	23,960					
NEBR						
NEV						
N H						
N J						
N MEX						
N Y	458,224	968,656	2,372,391		68,479	
N C						
N DAK	108,214	449,743				
OHIO	909,783					
OKLA	338,172					
OREG	351,630	397,574				
PA	1,719,863		1,276,782			
R I						
S C						
S DAK		503,789	540,173			
TENN		101,210	88,576			
TEX						
UTAH		415,650				
VT						
VA						
WASH			138,030			
W VA						
WIS	7,094,021	9,420,116	5,397,762			231,734
WYO						
U S 4/	29,391,452	28,963,962	18,404,021	1,331,570	351,488	243,267

SEE FOOTNOTES ON PAGE 71.

TABLE 47--WHOLE MILK EQUIVALENT USED IN MANUFACTURED DAIRY PRODUCTS:
CALCULATED QUANTITIES USED IN SPECIFIED PRODUCTS, ON A WHOLE MILK BASIS,
BY STATES, 1990 1/

STATE	DRY WHOLE MILK	ICE CREAM AND OTHER FROZEN PRODUCTS	OTHER MILK PRODUCTS	TOTAL 2/	DUPLICATIONS	NET TOTAL 3/
1,000 POUNDS						
ALA	360,040			380,158	83,840	296,318
ALAS	5,112			5,605	604	5,002
ARIZ	159,505			936,225	48,423	887,802
ARK	63,283			571,090	42,985	528,105
CALIF	1,839,503	75,389		13,683,724	711,261	12,972,463
COLO	216,355		17,142	236,062	8,468	227,594
CONN				302,588	15,059	287,529
DEL				10,420	1,748	8,672
FLA	475,627			484,243	140,871	343,372
GA	208,672			225,702	30,776	194,926
HAW				41,370	16,053	25,318
IDAHO				2,112,974	147,455	1,965,519
ILL	602,443	53,324		1,677,922	231,490	1,446,432
IND	382,568	27,792		1,293,269	68,602	1,224,667
IOWA	582,088	13,387		3,037,988	226,222	2,811,767
KANS	117,391			1,092,227	46,072	1,046,155
KY		23,606		783,182	21,021	762,161
LA				126,991	4,674	122,317
MAINE	27,922			43,816	7,601	36,215
MD 4/	299,934			939,407	104,433	834,974
MASS	512,483			952,820	142,664	810,156
MICH	473,238	21,463		1,634,754	108,979	1,525,775
MINN	600,211	13,831		9,786,137	512,145	9,273,992
MISS				196,635	7,303	189,332
MO	253,584			2,277,112	82,286	2,194,826
MONT				83,184	4,947	78,237
NEBR				1,841,608	117,987	1,723,621
NEV				48,970	1,155	47,815
N H				36,948	10,589	26,359
N J	311,830			758,789	47,940	710,849
N MEX				47,558	1,687	45,871
N Y	759,034	96,479		5,135,645	542,769	4,592,876
N C	553,808			693,430	252,744	440,687
N DAK	34,299			595,094	44,640	550,454
OHIO	672,094	47,193		2,714,635	194,182	2,520,454
OKLA	219,162	15,321		588,821	37,948	550,873
OREG	151,191	13,114		926,348	42,673	883,675
PA	1,145,943	34,809		4,900,496	202,497	4,697,999
R I				23,402	4,568	18,834
S C	208,248			208,394	84,918	123,476
S DAK				1,055,727	112,694	943,033
TENN	254,326			1,351,385	53,851	1,297,535
TEX	877,582	14,209		2,608,499	129,407	2,479,092
UTAH	145,014			1,059,037	120,776	938,261
VT				920,546	100,295	820,251
VA	188,466	17,172		423,832	34,490	389,342
WASH	296,236	22,010		3,312,220	62,638	3,249,583
W VA				25,862	583	25,279
WIS	299,594	33,466		22,685,013	1,330,633	21,354,380
WYO				92,637	14,293	78,344
U S 4/	1,291,836	14,321,204	671,702	94,970,502	6,361,936	88,608,567

1/ PRODUCTS MANUFACTURED IN EACH STATE DO NOT NECESSARILY SHOW UTILIZATION OF MILK PRODUCED IN THE STATE, BECUASE 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, 1990 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	6,769						6,769
ALAS							2,331
ARIZ							184,194
ARK							6,731
CALIF	365,156		1,328,919	246,312	3,562,878		5,529,920
COLO	79,406						79,406
CONN							88
DEL							
FLA							39,781
GA							100
HAW							8,138
IDAHO							489,732
ILL	109,925						115,294
IND	120,500						336,520
IOWA	65,181						500,479
KANS							274,069
KY	109,325						154,448
LA							89,972
MAINE							56,931
MD 4/							576,549
MASS							366,260
MICH			170,598	97,449	406,274		461,912
MINN							576,723
MISS							14,125
MO			146,340	5,214	186,076		448,966
MONT	9,919						9,919
NEBR	16,813						63,002
NEV							6,006
N H							
N J							
N MEX							20,819
N Y	540,763		207,084		185,438		951,397
N C	36,988						36,988
N DAK	16,838			1,177	31,251		49,266
OHIO	145,600		255,726				491,062
OKLA	64,588						373,650
OREG	52,694						222,664
PA							458,246
R I							
S C							
S DAK							176,275
TENN	39,306						141,278
TEX	53,919						491,583
UTAH							49,384
VT							271,078
VA	73,638						195,305
WASH	117,769						1,877,967
W VA							7,188
WIS	159,394	126,606	161,016	39,193	501,457	8324	1,070,913
WYO							1,838
US 5/	3,084,075	133,530	3,405,519	614,361	9,898,427	14934	17,285,261

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

TABLE 49--NET WHOLE MILK EQUIVALENTS USED IN MANUFACTURED DAIRY PRODUCTS
TOTAL AND PERCENTAGE DISTRIBUTION BY MAJOR PRODUCTS,
UNITED STATES, 1979-90

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	
	MIL LBS						PERCENT
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
1983	83,991	30.7	48.8	3.6	15.0	1.9	100.0
1984	77,291	27.8	50.1	3.9	16.4	1.8	100.0
1985	83,538	33.6	45.5	3.8	15.4	1.7	100.0
1986	83,226	32.5	46.2	3.6	15.9	1.8	100.0
1987	81,945	30.5	47.6	3.9	16.4	1.6	100.0
1988	84,775	32.0	47.3	3.9	15.3	1.5	100.0
1989	84,380	31.5	48.2	3.4	16.1	0.8	100.0
1990	88,608	30.9	49.9	3.4	15.1	0.7	100.0

TABLE 50--SKIM MILK EQUIVALENTS OF CERTAIN SKIM-MILK AND BUTTERMILK PRODUCTS,
UNITED STATES, 1979-89

YEAR	COTTAGE CHEESE CURD	CONDENSED AND EVAPORATED SKIM MILK	NON-FAT DRY MILK	CONDENSED AND DRIED BUTTERMILK	TOTAL 1/
	MILLION POUNDS				
1979	4,150	2,243	10,063	614	17,070
1980	4,158	2,195	12,844	482	19,847
1981	4,047	2,179	14,543	605	21,374
1982	3,921	2,102	15,514	578	22,125
1983	3,862	2,226	16,612	665	23,365
1984	3,772	2,619	12,834	549	19,774
1985	3,743	2,723	15,381	691	22,538
1986	3,751	3,090	14,232	848	21,921
1987	3,587	3,088	11,872	767	19,314
1988	3,479	3,126	10,970	885	18,460
1989	3,284	3,239	9,827	787	17,397
1990	3,084	3,539	9,898	764	17,285

1/ INCLUDES OTHER SKIM MILK MINOR PRODUCTS.

TABLE 51--DAIRY PLANTS MANUFACTURING ONE OR MORE DAIRY PRODUCTS, 1986-90

STATE	1986	1987	1988	1989	1990
	NUMBER				
ALA	17	17	17	17	14
ALAS	3	4	5	5	5
ARIZ	7	3	7	8	8
ARK	10	8	8	8	7
CALIF	260	260	255	250	255
COLO	20	20	16	16	15
CONN	25	22	20	16	16
DEL	1	2	2	2	2
FLA	41	45	44	34	30
GA	17	15	16	13	11
HAW	5	4	4	4	3
IDAHO	21	23	22	22	22
ILL	81	84	81	86	81
IND	34	33	32	31	26
IOWA	40	39	37	36	45
KANS	22	17	14	14	11
KY	26	26	22	21	25
LA	22	17	17	17	16
MAINE	16	14	14	14	13
MD 4/	25	26	23	19	17
MASS	35	30	30	29	27
MICH	55	56	52	51	48
MINN	71	58	58	61	58
MISS	16	16	16	10	8
MO	40	34	32	36	34
MONT	17	16	15	13	12
NEBR	17	17	18	13	13
NEV	3	3	3	3	4
N H	7	6	6	6	6
N J	30	27	24	24	21
N MEX	3	2	2	1	2
N Y	159	153	130	118	129
N C	21	21	20	20	18
N DAK	17	17	17	17	23
OHIO	82	81	80	72	80
OKLA	18	18	18	18	18
OREG	22	21	21	22	23
PA	100	108	105	100	99
R I	8	7	7	6	6
S C	8	8	7	6	5
S DAK	23	22	20	17	16
TENN	26	27	27	22	19
TEX	46	46	51	53	49
UTAH	23	23	21	21	21
VT	21	21	20	20	19
VA	19	16	17	14	13
WASH	26	25	25	25	29
W VA	6	6	5	5	3
WIS	383	364	338	309	286
WYO	3	5	5	5	3
U S	1,998	1,933	1,846	1,750	1,714

1/ INCLUDES DISTRICT OF COLUMBIA.

