

DAIRY PRODUCTS

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OCTOBER 1983 HIGHLIGHTS

Note: Comparative monthly data for 1982 are not available for April through December.

Butter production during October 1983 was 98.3 million pounds (44.6 thousand metric tons), 17 percent above September 1983.

American type cheese production totaled 225 million pounds (102 thousand metric tons), 6 percent more than a month earlier.

Total cheese output (excluding cottage cheese) during October 1983 was 392 million pounds (178 thousand metric tons), 5 percent more than the previous month.

Creamed cottage cheese production at 61.0 million pounds (27.7 thousand metric tons) was 6 percent below the September production.

Lowfat cottage cheese production was 17.0 million pounds (7720 metric tons), down 8 percent from last month.

Canned evaporated and condensed whole milk production at 50.4 million pounds (22.9 thousand metric tons) was 3 percent above September 1983.

Frozen desserts: (Comparisons with September 1983)

Ice cream -- 66.2 million gallons (251 million liters), down 18 percent.

Ice milk -- 21.9 million gallons (83 million liters), down 19 percent.

Sherbet -- 3.09 million gallons (11.7 million liters), down 27 percent.

Dry milk products: (Comparisons with September 1983)

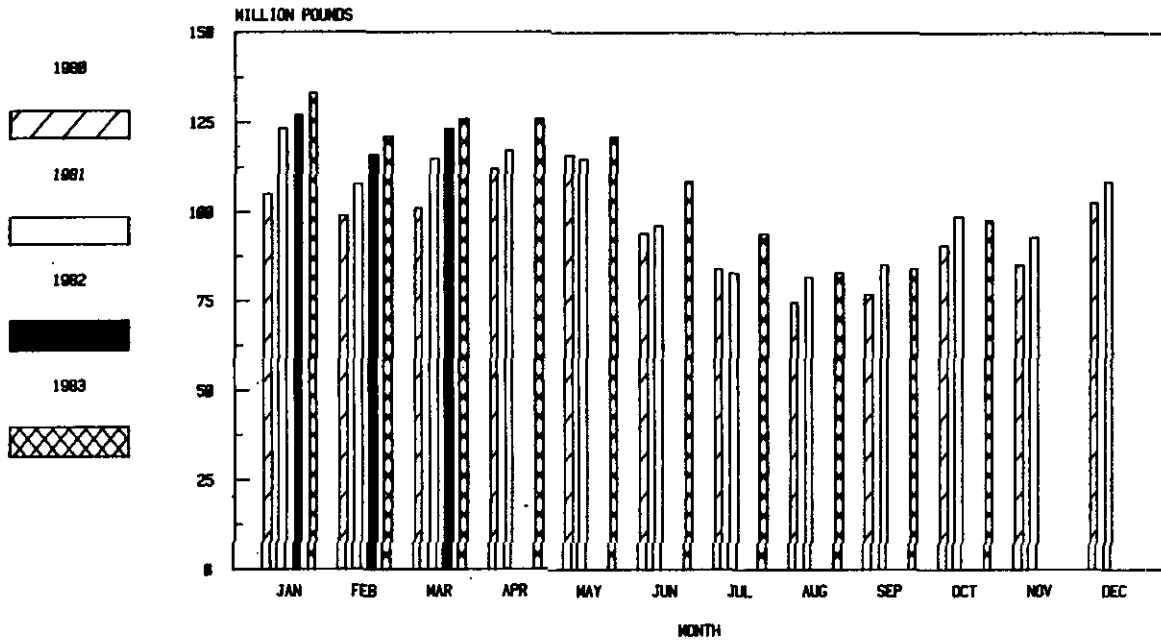
Nonfat dry milk for human food -- 105 million pounds (47.5 thousand metric tons), up fractionally.

Dry whole milk -- 9.80 million pounds (4450 metric tons), up 7 percent.

Dry buttermilk -- 2.46 million pounds (1110 metric tons), up 9 percent.

* SPECIAL IN THIS ISSUE *
* *
* PLANTS MANUFACTURING DAIRY PRODUCTS, BY PRODUCTION-SIZE *
* GROUPS AND MAJOR REGIONS, UNITED STATES, 1982. *
* *
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UNITED STATES PRODUCTION OF BUTTER



UNITED STATES PRODUCTION OF BUTTER

MONTH	1980	1981	1982	1983
1,000 POUNDS				
JAN	105,732	123,056	127,253	133,906
FEB	99,943	108,399	115,921	120,739
MAR	101,076	115,537	123,417	126,054
APR	112,338	117,269	1/	126,452
MAY	116,562	115,458	1/	121,057
JUN	93,899	95,884	1/	109,586
JUL	83,699	82,718	1/	94,710
AUG	75,278	82,349	1/	83,921
SEP	77,033	85,173	1/	84,241
OCT	91,379	99,451	1/	98,304
NOV	84,731	93,413	1/	
DEC	103,584	109,483	1/	

1/ APR-DEC 1982 NOT AVAILABLE.

PRODUCTION OF DAIRY PRODUCTS, UNITED STATES, OCTOBER 1983

PRODUCT	OCT	OCT	SEP	OCT	PERCENT OF
	1981	1982 8/	1983	1983	SEP 1983
	1,000 POUNDS				PERCENT
BUTTER	99,451		84,241	98,304	117
CHEESE:					
AMERICAN TYPES 1/	203,603		213,287	225,198	106
SWISS	16,727		18,842	18,089	96
BRICK AND MUNSTER	6,799		6,946	7,895	114
CREAM AND NEUFCHATEL	23,911		24,437	25,360	104
BLUE	2,653		2,699	2,630	97
MOZZARELLA	57,768		74,962	75,378	101
OTHER ITALIAN TYPES	25,141		25,569	28,170	110
TOTAL ITALIAN TYPES	82,909		100,531	103,548	103
ALL OTHER TYPES 2/	6,799		8,362	9,377	112
TOTAL	343,401		375,104	392,097	105
COTTAGE CHEESE, CURD 3/	51,406		52,592	50,282	96
COTTAGE CHEESE, CREAMED 4/	62,550		65,034	61,011	94
COTTAGE CHEESE, LOWFAT 5/	17,550		18,448	17,030	92
CANNED EVAPORATED AND					
CONDENSED WHOLE MILK	62,928		48,891	50,409	103
DRY WHOLE MILK	8,938		9,131	9,802	107
NONFAT DRY MILK					
FOR HUMAN FOOD	92,002		104,583	7/104,812	100
DRY SKIM MILK					
FOR ANIMAL FEED	562		1,021	825	81
DRY BUTTERMILK	3,007		2,262	2,455	109
	1,000 GALLONS				PERCENT
FROZEN PRODUCTS:					
ICE CREAM	64,750		80,729	66,210	82
ICE MILK (HARD)	5,515		6,026	4,655	77
ICE MILK (SOFT)	15,667		20,939	17,280	83
ICE MILK (TOTAL)	21,182		26,965	21,935	81
SHERBET (HARD)	2,956		4,253	3,089	73
MELLORINE 6/	856		902	802	89
MIX FOR PRODUCTS:					
ICE CREAM MIX	32,939		42,007	35,044	83
ICE MILK MIX	13,555		17,131	13,970	82
SHERBET MIX	1,945		2,829	2,137	76
MELLORINE MIX 6/	474		427	453	106

1/ WHOLE MILK CHEESE, INCLUDING CHEDDAR, COLBY, WASHED CURD, STIRRED CURD, MONTEREY AND JACK.
 2/ INCLUDES LIMBURGER FORMERLY PUBLISHED SEPARATELY. 3/ MOSTLY USED FOR PROCESSING INTO
 CREAMED OR LOWFAT COTTAGE CHEESE. 4/ FAT CONTENT 4 PERCENT OR MORE. 5/ FAT CONTENT LESS THAN
 4 PERCENT. 6/ MADE WITH FATS AND OILS OTHER THAN MILKFAT. 7/ INCLUDES COMBINED MINN & WIS
 PRODUCTION OF 23,728 THOUSAND POUNDS. 8/ NOT AVAILABLE.

 * ESTIMATES IN THIS REPORT ARE BASED ON DATA PROVIDED BY MANUFACTURERS*
 * OF DAIRY PRODUCTS TO THE STATISTICAL REPORTING SERVICE. IN ADDITION, *
 * STATE DEPARTMENTS OF AGRICULTURE IN 32 STATES ASSIST IN COLLECTING DATA.*
 * DATA ARE COLLECTED BY MAIL, PERSONAL AND TELEPHONE INTERVIEWS FOLLOWING *
 * THE CLOSE OF EACH MONTH. REPORTS ARE RECEIVED FROM ALL DAIRY PLANTS IN *
 * THOSE STATES WITH SMALL NUMBERS OF PLANTS, BUT IN STATES WITH LARGE *
 * NUMBERS OF PLANTS, SURVEY PROCEDURES ARE DESIGNED TO OBTAIN REPORTS FROM*
 * ALL PLANTS IN THE LARGER SIZE STRATA AND FROM A SAMPLE OF PLANTS IN THE *
 * SMALLER SIZE STRATA. ESTIMATES ARE BASED UPON RETURNS FROM ABOUT 70 *
 * PERCENT OF PLANTS WHICH ACCOUNT FOR 75 TO 90 PERCENT OF THE TOTAL PRO- *
 * DDUCTION OF MAJOR DAIRY PRODUCTS. *

WHEY AND MODIFIED WHEY PRODUCTS: PRODUCTION, STOCKS,
AND PRICES, UNITED STATES, OCTOBER 1983

PRODUCT	OCT	SEP	OCT	PERCENT OF
	1982	1983	1983	SEP
	9/	1/		1983
	PRODUCTION			PERCENT
	1,000 POUNDS			
CONDENSED WHEY, SOLIDS CONTENT 2/				
SWEET-TYPE, HUMAN FOOD		7,773	9,294	120
SWEET-TYPE, ANIMAL FEED		1,626	1,783	110
ACID-TYPE, HUMAN FOOD AND				
ANIMAL FEED	4/	4/	4/	
DRY WHEY PRODUCTS				
DRY WHEY, HUMAN FOOD		52,591	53,407	102
DRY WHEY, ANIMAL FEED		16,012	16,171	101
REDUCED LACTOSE				
HUMAN FOOD		2,220	2,615	118
ANIMAL FEED		3,349	3,355	100
REDUCED MINERALS				
HUMAN FOOD		2,253	3,043	135
ANIMAL FEED	4/	4/	4/	
LACTOSE, HUMAN FOOD		8,546	8,519	100
LACTOSE, ANIMAL FEED		593	1,549	261
WHEY SOLIDS IN WET BLENDS				
HUMAN FOOD		1,559	1,506	97
ANIMAL FEED		9,326	9,000	97
WHEY PROTEIN CONCENTRATE 8/				
HUMAN FOOD		5,106	5,009	98
ANIMAL FEED		1,539	1,360	88
	MANUFACTURERS' STOCKS, END OF MONTH 5/			PERCENT
	1,000 POUNDS			
DRY WHEY PRODUCTS				
DRY WHEY AND REDUCED LACTOSE				
HUMAN FOOD 6/		34,957	31,663	91
ANIMAL FEED 6/		26,661	24,584	92
REDUCED MINERALS				
HUMAN FOOD		2,858	2,889	101
LACTOSE, HUMAN FOOD		20,414	19,695	96
LACTOSE, ANIMAL FEED		2,201	2,012	91
WHEY PROTEIN CONCENTRATE 8/				
HUMAN FOOD		5,836	4,032	69
ANIMAL FEED		133	81	61
	MANUFACTURERS' SELLING PRICE 7/			CENTS CHANGE
	CENTS PER POUND			
CONDENSED WHEY SOLIDS 2/				
SWEET-TYPE, HUMAN FOOD		6.0	7.0	+1.0
SWEET-TYPE, ANIMAL FEED		4.5	3.4	-1.1
ACID-TYPE, HUMAN FOOD		4/	4/	
ACID-TYPE, ANIMAL FEED		4/	4/	
DRY WHEY, HUMAN FOOD		11.6	13.0	+1.4
DRY WHEY, ANIMAL FEED		10.2	10.6	+0.4

1/ STOCKS AND PRICES REVISED. 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/ NONE REPORTED. 4/ NOT PUBLISHED TO AVOID DISCLOSURE OF INDIVIDUAL PLANT OPERATIONS. 5/ STOCKS HELD BY MANUFACTURERS AT ALL POINTS AND IN TRANSIT. 6/ DRY WHEY AND REDUCED LACTOSE WHEY STOCKS COMBINED TO AVOID DISCLOSURE OF INDIVIDUAL OPERATIONS. 7/ PRICES FOR BULK GOODS, F.O.B. PLANT. AVERAGE MONTHLY PRICES REPORTED BY FIRMS. 8/ THIS PRODUCT INCLUDES QUANTITIES PREVIOUSLY SHOWN IN PARTIALLY DELACTOSED/DEMINERALIZED PRODUCT. 9/ NOT AVAILABLE.

PRODUCTION OF DAIRY PRODUCTS, UNITED STATES, 1981-83

MONTH	BY MONTH				CUMULATIVE			
	1981	1982	1983	1983 AS % OF 1982	1981	1982	1983	1983 AS % OF 1982
	1,000 POUNDS		PERCENT		1,000 POUNDS		PERCENT	
BUTTER								
JAN	123,056	127,253	133,906	105	123,056	127,253	133,906	105
FEB	108,399	115,921	120,739	104	231,455	243,174	254,645	105
MAR	115,537	123,417	126,054	102	346,992	366,591	380,699	104
APR	117,269	1/	126,452		464,261		507,151	
MAY	115,458	1/	121,057		579,719		628,208	
JUN	95,884	1/	109,586		675,603	700,614	737,794	105
JUL	82,718	1/	94,710		758,321		832,504	
AUG	82,349	1/	83,921		840,670		916,425	
SEP	85,173	1/	84,241		925,843	956,987	1,000,666	105
OCT	99,451	1/	98,304		1,025,294		1,098,970	
NOV	93,413				1,118,707			
DEC	109,483				1,228,190	1,256,964		
AMERICAN CHEESE								
JAN	214,145	219,625	233,241	106	214,145	219,625	233,241	106
FEB	200,634	205,422	216,251	105	414,779	425,047	449,492	106
MAR	231,147	237,102	255,717	108	645,926	662,149	705,209	107
APR	242,243	1/	261,366		888,169		966,575	
MAY	257,947	1/	278,110		1,146,116		1,244,685	
JUN	249,527	1/	279,815		1,395,643	1,421,549	1,524,500	107
JUL	223,431	1/	257,682		1,619,074		1,782,182	
AUG	209,861	1/	232,295		1,828,935		2,014,477	
SEP	194,033	1/	213,287		2,022,968	2,094,773	2,227,764	106
OCT	203,603	1/	225,198		2,226,571		2,452,962	
NOV	192,449				2,419,020			
DEC	223,243				2,642,263	2,750,451		
ITALIAN CHEESE								
JAN	82,341	79,828	91,756	115	82,341	79,828	91,756	115
FEB	74,306	78,268	88,692	113	156,647	158,096	180,448	114
MAR	86,712	94,841	101,034	107	243,359	252,937	281,482	111
APR	84,624	1/	93,005		327,983		374,487	
MAY	84,471	1/	97,290		412,454		471,777	
JUN	85,082	1/	95,492		497,536	521,879	567,269	109
JUL	79,369	1/	91,303		576,905		658,572	
AUG	81,641	1/	95,225		658,546		753,797	
SEP	84,685	1/	100,531		743,231	795,331	854,328	107
OCT	82,909	1/	103,548		826,140		957,876	
NOV	80,198				906,338			
DEC	88,060				994,398	1,087,781		
TOTAL CHEESE								
JAN	342,789	351,328	374,897	107	342,789	351,328	374,897	107
FEB	317,796	331,050	352,566	106	660,585	682,378	727,463	107
MAR	374,065	391,655	416,884	106	1,034,650	1,074,033	1,144,347	107
APR	379,497	1/	408,121		1,414,147		1,552,468	
MAY	394,214	1/	429,206		1,808,361		1,981,674	
JUN	390,934	1/	436,018		2,199,295	2,276,968	2,417,692	106
JUL	353,015	1/	400,632		2,552,310		2,818,324	
AUG	340,610	1/	380,713		2,892,920		3,199,037	
SEP	334,427	1/	375,104		3,227,347	3,398,300	3,574,141	105
OCT	343,401	1/	392,097		3,570,748		3,966,238	
NOV	334,099				3,904,847			
DEC	372,714				4,277,561	4,539,822		

1/ NOT AVAILABLE.

PRODUCTION OF DAIRY PRODUCTS, UNITED STATES, 1981-83

MONTH	BY MONTH				CUMULATIVE			
	1981	1982	1983	1983 AS % OF 1982	1981	1982	1983	1983 AS % OF 1982
	1,000 GALLONS		PERCENT		1,000 GALLONS		PERCENT	
ICE CREAM								
JAN	51,757	50,822	55,298	109	51,757	50,822	55,298	109
FEB	58,817	58,877	60,423	103	110,574	109,699	115,721	105
MAR	70,814	75,068	78,623	105	181,388	184,767	194,344	105
APR	69,868	1/	70,646		251,256		264,990	
MAY	70,266	1/	81,049		321,522		346,039	
JUN	85,176	1/	93,192		406,698	420,889	439,231	104
JUL	89,249	1/	88,399		495,947		527,630	
AUG	81,342	1/	91,866		577,289		619,496	
SEP	74,431	1/	80,729		651,720	666,853	700,225	105
OCT	64,750	1/	66,210		716,470		766,435	
NOV	56,936				773,406			
DEC	59,044				832,450	851,716		
ICE MILK								
JAN	16,492	14,677	16,406	112	16,492	14,677	16,406	112
FEB	18,382	17,277	18,155	105	34,874	31,954	34,561	108
MAR	23,917	23,693	24,898	105	58,791	55,647	59,459	107
APR	26,430	1/	24,983		85,221		84,442	
MAY	28,315	1/	29,858		113,536		114,300	
JUN	33,082	1/	34,470		146,618	139,755	148,770	106
JUL	33,638	1/	33,384		180,256		182,154	
AUG	30,223	1/	33,156		210,479		215,310	
SEP	24,986	1/	26,965		235,465	226,127	242,275	107
OCT	21,182	1/	21,935		256,647		264,210	
NOV	17,756				274,403			
DEC	16,589				290,992	280,367		
SHERBET (HARD)								
JAN	2,562	2,531	2,819	111	2,562	2,531	2,819	111
FEB	2,776	2,602	2,766	106	5,338	5,133	5,585	109
MAR	3,467	3,726	3,789	102	8,805	8,859	9,374	106
APR	3,904	1/	3,882		12,709		13,256	
MAY	4,233	1/	4,684		16,942		17,940	
JUN	5,178	1/	5,622		22,120	22,293	23,562	106
JUL	5,450	1/	5,457		27,570		29,019	
AUG	4,655	1/	5,395		32,225		34,414	
SEP	3,718	1/	4,253		35,943	35,736	38,667	108
OCT	2,956	1/	3,089		38,899		41,756	
NOV	2,458				41,357			
DEC	2,927				44,284	44,160		
MELLORINE-TYPE FROZEN DESSERT								
JAN	745	574	575	100	745	574	575	100
FEB	789	660	678	103	1,534	1,234	1,253	102
MAR	963	889	869	98	2,497	2,123	2,122	100
APR	1,115	1/	857		3,612		2,979	
MAY	1,071	1/	931		4,683		3,910	
JUN	1,285	1/	1,176		5,968	5,151	5,086	99
JUL	1,210	1/	1,118		7,178		6,204	
AUG	1,034	1/	1,143		8,212		7,347	
SEP	940	1/	902		9,152	8,040	8,249	103
OCT	856	1/	802		10,008		9,051	
NOV	628				10,636			
DEC	555				11,191	10,053		

1/ NOT AVAILABLE.

PRODUCTION OF DAIRY PRODUCTS, UNITED STATES, 1981-83

MONTH	BY MONTH				CUMULATIVE			
	1981	1982	1983	1983 AS % OF 1982	1981	1982	1983	1983 AS % OF 1982
	1,000 POUNDS		PERCENT		1,000 POUNDS		PERCENT	
NONFAT DRY MILK								
HUMAN FOOD								
JAN	95,617	111,760	117,657	105	95,617	111,760	117,657	105
FEB	96,069	107,905	115,748	107	191,686	219,665	233,405	106
MAR	112,783	127,531	134,966	106	304,469	347,196	368,371	106
APR	126,432	2/	137,243		430,901		505,614	
MAY	136,776	2/	156,763		567,677		662,377	
JUN	129,591	2/	157,757		697,268	764,738	820,134	107
JUL	119,727	2/	145,739		816,995		965,873	
AUG	112,912	2/	127,528		929,907		1,093,401	
SEP	92,993	2/	104,583		1,022,900	1,103,698	1,197,984	109
OCT	92,002	2/	104,812		1,114,902		1,302,796	
NOV	89,292				1,204,194			
DEC	110,076				1,314,270	1,400,637		
TOTAL DRY WHEY 1/								
JAN	64,891	64,384	76,065	118	64,891	64,384	76,065	118
FEB	61,487	60,511	72,519	120	126,378	124,895	148,584	119
MAR	68,601	69,296	76,928	111	194,979	194,191	225,512	116
APR	65,318	2/	78,208		260,297		303,720	
MAY	69,480	2/	82,550		329,777		386,270	
JUN	67,400	2/	81,496		397,177	404,652	467,766	116
JUL	68,459	2/	75,739		465,636		543,505	
AUG	59,036	2/	72,938		524,672		616,443	
SEP	60,528	2/	68,603		585,200	597,824	685,046	115
OCT	61,093	2/	69,578		646,293		754,624	
NOV	61,540				707,833			
DEC	70,887				778,720	790,502		
CREAMED COTTAGE CHEESE								
JAN	62,316	58,560	61,026	104	62,316	58,560	61,026	104
FEB	61,021	60,663	58,428	96	123,337	119,223	119,454	100
MAR	71,223	68,970	65,463	95	194,560	188,193	184,917	98
APR	69,277	2/	62,463		263,837		247,380	
MAY	66,917	2/	65,410		330,754		312,790	
JUN	68,473	2/	64,862		399,227	385,617	377,652	98
JUL	69,474	2/	64,296		468,701		441,948	
AUG	65,116	2/	67,320		533,817		509,268	
SEP	63,183	2/	65,034		597,000	576,794	574,302	100
OCT	62,550	2/	61,011		659,550		635,313	
NOV	58,685				718,235			
DEC	55,086				773,321	748,869		
LOWFAT COTTAGE CHEESE								
JAN	16,128	15,952	15,620	98	16,128	15,952	15,620	98
FEB	15,994	17,562	18,184	104	32,122	33,514	33,804	101
MAR	18,624	20,461	20,080	98	50,746	53,975	53,884	100
APR	18,518	2/	19,471		69,264		73,355	
MAY	18,765	2/	20,541		88,029		93,896	
JUN	18,698	2/	19,509		106,727	115,215	113,405	98
JUL	18,883	2/	19,070		125,610		132,475	
AUG	17,682	2/	19,146		143,292		151,621	
SEP	17,265	2/	18,448		160,557	169,935	170,069	100
OCT	17,550	2/	17,030		178,107		187,099	
NOV	16,088				194,195			
DEC	14,138				208,333	217,572		

1/ EXCLUDES ALL MODIFIED DRY WHEY PRODUCTS. 2/ NOT AVAILABLE.

AMERICAN CHEESE: PRODUCTION BY STATES, OCTOBER 1983

STATE	OCT 1981	OCT 1982 1/	SEP 1983	OCT 1983	PERCENT OF SEP 1983
	1,000 POUNDS			PERCENT	
CALIF	6,737		7,500	7,800	104
IDAHO	8,860		9,200	8,963	97
IND	4,136		4,250	5,500	129
IOWA	8,095		7,071	7,505	106
KANS	1,378		2,541	2,564	101
KY	2,437		1,818	2,161	119
MICH	1,727		1,828	1,924	105
MINN	37,541		37,195	40,700	109
MO	3,487		4,870	4,720	97
NEBR	1,918		1,845	2,017	109
N Y	5,129		6,500	6,300	97
N DAK	3,416		3,800	3,660	96
OHIO	2,955		2,470	2,528	102
OREG	3,285		2,500	2,550	102
S DAK	4,530		7,056	7,470	106
TENN	1,697		1,347	1,243	92
UTAH	4,766		4,362	4,821	111
VT	1,880		1,725	2,078	120
WIS	85,398		89,500	91,000	102
OTH STS	14,231		15,909	19,694	124
U S	203,603		213,287	225,198	106

BUTTER: PRODUCTION BY STATES, OCTOBER 1983

STATE	OCT 1981	OCT 1982 1/	SEP 1983	OCT 1983	PERCENT OF SEP 1983
	1,000 POUNDS			PERCENT	
CALIF	18,197		14,300	16,300	114
IDAHO	1,057		1,699	1,338	79
ILL	240		170	170	100
IND	1,618		1,000	1,500	150
IOWA	724		394	1,035	263
KANS	1,557		1,451	1,451	100
MICH	4,641		3,800	5,300	139
MINN	13,924		12,975	13,425	103
MO	3,217		2,210	2,381	108
N Y	2,722		2,300	2,400	104
N DAK	300		360	360	100
OHIO	3,057		1,928	2,528	131
OREG	1,306		1,250	1,100	88
PA	5,291		4,060	4,900	121
S DAK	709		613	594	97
TENN	2,353		1,048	2,427	232
UTAH	632		609	564	93
VT	142		64	126	197
WASH	3,878		4,719	5,383	114
WIS	21,551		20,000	21,000	105
OTH STS	12,335		9,291	14,022	151
U S	99,451		84,241	98,304	117

1/ NOT AVAILABLE.

ICE CREAM: PRODUCTION BY STATES, OCTOBER 1983

STATE	OCT	OCT	SEP	OCT	PERCENT OF
	1981	1982	1983	1983	
	1,000 GALLONS				SEP
					1983
					PERCENT
ALA	1,040		1,591	1,220	77
ARIZ	469		530	504	95
CALIF	7,207		8,600	7,000	81
COLO	862		861	686	80
CONN	1,441		1,975	2,040	103
FLA	2,704		2,746	2,309	84
GA	529		669	591	88
ILL	2,634		3,400	2,750	81
IND	1,688		3,500	2,900	83
IOWA	1,090		1,506	1,195	79
KANS	621		792	632	80
LA	641		900	615	68
MD 1/	1,083		1,105	1,045	95
MASS	3,050		4,495	3,800	85
MICH	2,430		3,600	2,700	75
MINN	2,866		3,300	2,770	84
MO	1,362		1,600	1,350	84
NEBR	713		604	570	94
N J	1,495		1,490	1,410	95
N Y	4,845		4,350	3,300	76
N C	2,109		2,731	2,166	79
OHIO	3,412		4,450	3,510	79
OKLA	751		934	752	81
OREG	656		740	740	100
PA	5,579		7,020	6,375	91
S C	843		967	718	74
TENN	1,448		1,693	1,290	76
TEX	3,584		6,128	4,160	68
UTAH	685		667	647	97
VA	812		1,285	1,185	92
WASH	1,667		1,388	1,230	89
WIS	1,744		2,100	1,600	76
OTH STS	2,690		3,012	2,450	81
U S	64,750		80,729	66,210	82

1/ INCLUDES DISTRICT OF COLUMBIA.

2/ NOT AVAILABLE.

CANNED MILK AND DRY MILK PRODUCTS: MANUFACTURERS' SHIPMENTS,
STOCKS AND SELLING PRICES, OCTOBER 1983

PRODUCT	OCT 1981	OCT 1982 6/	SEP 1983	OCT 1983	PERCENT OF SEP 1983
	MANUFACTURERS' SHIPMENTS 1/ 1,000 POUNDS				
DRY WHOLE MILK	9,551		8,246	8,738	106
NONFAT DRY MILK FOR HUMAN FOOD	93,875		112,057	102,585	92
DRY SKIM MILK FOR ANIMAL FEED	1,114		975	446	46
DRY BUTTERMILK, FOR HUMAN FOOD	4,234		5,479	4,620	84
DRY BUTTERMILK, TOTAL	5/		5/	5/	
MANUFACTURERS' STOCKS, END-OF-MONTH 2/ 4/ 1,000 POUNDS					PERCENT
CANNED EVAPORATED AND CONDENSED WHOLE MILK	84,832		94,136	82,004	87
DRY WHOLE MILK NONFAT DRY MILK FOR HUMAN FOOD	2,802		4,371	4,446	102
DRY SKIM MILK FOR ANIMAL FEED	83,746		69,692	67,899	97
DRY BUTTERMILK, TOTAL	2,076		1,833	1,977	108
	2,834		5,592	7,147	128
MANUFACTURERS' SELLING PRICES 3/ CENTS PER POUND					CHANGE CENTS
DRY WHOLE MILK	118.07		120.28	120.26	-0.02
NONFAT DRY MILK FOR HUMAN FOOD	94.45		93.55	93.70	+0.15
DRY SKIM MILK FOR ANIMAL FEED	43.29		43.22	41.61	-1.61
DRY BUTTERMILK, FOR HUMAN FOOD	73.68		72.24	72.54	+0.30
DRY BUTTERMILK, FOR ANIMAL FEED	5/	5/	5/		

1/ FOR DRY PRODUCTS, SHIPMENTS OF BULK GOODS ONLY. 2/ STOCKS HELD BY MANUFACTURERS AT ALL POINTS AND IN TRANSIT. 3/ PRICES FOR BULK GOODS, F.O.B. PLANT. AVERAGE MONTHLY PRICES REPORTED BY FIRMS, WEIGHTED BY SHIPMENTS OF EACH FIRM. 4/ REVISED. 5/ NOT PUBLISHED TO AVOID DISCLOSING INDIVIDUAL OPERATIONS. 6/ NOT AVAILABLE.

USDA DAIRY SUPPORT PROGRAM ACTIVITIES, UNITED STATES, OCTOBER 1983

PRODUCT	CCC PURCHASES (DELIVERY BASIS)		UNCOMMITTED CCC INVENTORIES	
	OCT 1982	OCT 1983	OCT 31, 1982	OCT 31, 1983 1/
1,000 POUNDS				
BUTTER	21,265	18,069	401,472	392,231
CHEESE 2/	38,286	32,194	795,400	898,850
NONFAT DRY MILK	53,438	62,418	1,211,548	1,355,207

1/ INCLUDES THE FOLLOWING QUANTITIES IN SPECIAL CONTAINERS OR FORM WHICH WILL LATER BE COMMITTED TO PROGRAM USES: BUTTER IN ONE-POUND PACKAGES 72,186,000 POUNDS; PROCESS CHEESE, 72,093,000 POUNDS; CHEDDAR CHEESE IN CONSUMER-SIZE PACKAGES, 20,247,000 POUNDS; AND FORTIFIED NONFAT DRY MILK, 21,233,000 POUNDS.

2/ AMERICAN AND MOZZARELLA CHEESE.

PLANTS MANUFACTURING DAIRY PRODUCTS, BY PRODUCTION-SIZE GROUPS AND MAJOR REGIONS,
UNITED STATES, 1982

The trend toward fewer but larger operations in the dairy products industry continues. The trend is shown in this report comparing 1982 data with 1977 data published earlier in Dairy Products, November 1979. Table 1 shows the change in plant numbers and average production between 1977 and 1982.

The number of plants producing Italian cheese showed the least decline between 1977 and 1982. Butter plants experienced the largest percentage decrease. Regional totals indicate the most notable decreases occurred in plant numbers throughout the North Central Region.

TABLE 1. NUMBER OF PLANTS AND AVERAGE ANNUAL PRODUCTION PER PLANT MAKING SPECIFIED DAIRY PRODUCTS, 1977 AND 1982, UNITED STATES

PRODUCT	DAIRY PLANTS			AVERAGE PRODUCTION PER PLANT		
	1977	1982	1982 AS % OF 1977	1977	1982	1982 AS % OF 1977
	NUMBER		PERCENT	THOUSAND POUNDS		PERCENT
BUTTER	322	231	72	3,371	5,441	161
AMERICAN CHEESE	462	372	81	3,285	5,688	173
ITALIAN CHEESE	186	179	96	4,266	6,077	142
ALL CHEESE	796	697	88	4,219	6,513	154
COTTAGE CHEESE						
CURD	325	248	76	2,106	2,536	120
NONFAT DRY MILK (FOR HUMAN FOOD)	134	108	81	8,258	12,967	157
ICE CREAM HARD	1,095	884	81	716	931	130

Many plants have facilities for manufacturing more than one product, so duplications of plant numbers occur. For example, a plant making both butter and nonfat dry milk was counted once as a butter plant and again as a powder plant.

The number of plants by production-size groups, the regional production of each product and the production of plants in the large open-size groups are shown on pages 12 through 15.

The States included in each of the four regions are as follows:

<u>REGION</u>	<u>STATES</u>
<u>NORTH ATLANTIC</u>	CONNECTICUT, MAINE, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, AND VERMONT.
<u>NORTH CENTRAL</u>	ILLINOIS, INDIANA, IOWA, KANSAS, MICHIGAN, MINNESOTA, MISSOURI, NORTH DAKOTA, NEBRASKA, OHIO, SOUTH DAKOTA, AND WISCONSIN.
<u>SOUTH</u>	ALABAMA, ARKANSAS, DELAWARE, FLORIDA, GEORGIA, KENTUCKY, LOUISIANA, MARYLAND AND D.C., MISSISSIPPI, NORTH CAROLINA, OKLAHOMA, SOUTH CAROLINA, TENNESSEE, TEXAS, VIRGINIA, AND WEST VIRGINIA.
<u>WEST</u>	ALASKA, ARIZONA, CALIFORNIA, COLORADO, HAWAII, IDAHO, MONTANA, NEW MEXICO, NEVADA, OREGON, UTAH, WASHINGTON, AND WYOMING.

TABLE 2. PLANTS MAKING CHEESE: NUMBER OF PLANTS BY SIZE GROUPS AND ANNUAL PRODUCTION OF ALL PLANTS AND THOSE 20 MILLION POUNDS AND OVER, BY REGION, 1982

CHEESE TYPE BY REGIONS	TOTAL CHEESE PLANTS	PRODUCTION-SIZE GROUPS (THOUSAND POUNDS)										PRODUCTION				
		LESS THAN 100	100-499	500-999	1,000-1,499	1,500-1,999	2,000-2,999	3,000-4,999	5,000-9,999	10,000-19,999	20,000+	ALL PLANTS	PLANTS 20,000+			
		NUMBER OF PLANTS										THOUSAND POUNDS				
<u>NORTH ATLANTIC</u>																
AMERICAN	24	8	5	1	0	0	0	2	2	4	2	137,272	2/			
ITALIAN	55	10	11	7	3	1	5	5	6	4	331,766	170,206				
ALL TYPES 1/	101	22	21	12	4	3	8	7	8	12	665,256	436,991				
<u>NORTH CENTRAL</u>																
AMERICAN	270	27	37	21	30	29	24	35	23	16	28	1,598,434	901,574			
ITALIAN	94	9	8	5	12	3	6	12	20	14	5	576,135	146,391			
ALL TYPES 1/	477	16	44	49	50	45	68	62	55	41	47	3,093,092	1,545,354			
<u>SOUTH</u>																
AMERICAN	26	6	4	0	0	2	3	5	3	2	1	104,607	2/			
ITALIAN	9	3	0	0	0	1	1	2	1	1	0	27,903	0			
ALL TYPES 1/	41	8	3	0	0	3	6	8	9	3	1	188,079	2/			
<u>WEST</u>																
AMERICAN	52	7	12	5	5	2	3	3	5	5	5	275,765	130,172			
ITALIAN	21	5	3	0	1	2	1	2	2	1	4	151,977	107,502			
ALL TYPES 1/	78	11	10	6	3	5	8	3	10	10	12	593,395	331,177			
<u>UNITED STATES</u>																
AMERICAN	372	48	58	27	35	33	30	45	33	27	36	2,116,078	1,108,274			
ITALIAN	179	27	22	12	16	9	9	21	28	22	13	1,087,781	424,099			
ALL TYPES 1/	697	57	78	67	57	57	85	81	81	62	72	4,539,822	2,338,557			

1/ PLANTS MAKING AMERICAN AND ITALIAN ARE ALSO INCLUDED IN COUNT, BUT A PLANT IS COUNTED ONLY ONCE IF IT MAKES MORE THAN ONE TYPE (EXCLUDES PLANTS MAKING COTTAGE CHEESE).
 2/ DATA NOT SHOWN WHEN LESS THAN 3 PLANTS REPORTED OR INDIVIDUAL PLANT OPERATIONS MIGHT BE DISCLOSED.

TABLE 3. PLANTS MAKING BUTTER: NUMBER OF PLANTS BY SIZE GROUPS AND ANNUAL PRODUCTION OF ALL PLANTS AND THOSE 8 MILLION POUNDS AND OVER, BY REGION, 1982

REGIONS	TOTAL PLANTS	PRODUCTION-SIZE GROUPS (THOUSAND POUNDS)								PRODUCTION	
		LESS THAN 100	100-499	500-999	1,000-2,999	3,000-7,999	8,000+	ALL PLANTS	PRODUCING PLANTS		
NORTH ATLANTIC	40	15	6	5	4	4	4	6	124,242	92,578	
NORTH CENTRAL	110	34	15	10	12	10	10	29	687,368	607,238	
SOUTH	18	4	1	0	2	7	7	4	126,484	79,581	
WEST	63	15	18	7	4	6	13	13	318,870	275,095	
UNITED STATES	231	68	40	22	22	27	52	52	1,256,964	1,054,492	

TABLE 4. PLANTS MAKING NONFAT DRY MILK, SPRAY AND ROLLER, FOR HUMAN FOOD: NUMBER OF PLANTS BY SIZE GROUPS AND ANNUAL PRODUCTION OF ALL PLANTS AND THOSE 20 MILLION POUNDS AND OVER, BY REGIONS, 1982

REGIONS	TOTAL PLANTS	PRODUCTION-SIZE GROUPS (THOUSAND POUNDS)								PRODUCTION	
		LESS THAN 500	500-2,499	2,500-4,999	5,000-7,499	7,500-9,999	10,000-14,999	15,000-19,999	20,000+	ALL PLANTS	PRODUCING PLANTS
NORTH ATLANTIC	20	1	5	4	2	3	4	0	1	147,198	1/
NORTH CENTRAL	54	4	4	5	5	6	12	7	11	691,940	322,415
SOUTH	9	0	1	0	3	0	3	1	1	128,162	1/
WEST	25	2	2	2	2	4	4	1	8	433,337	312,971
UNITED STATES	108	7	12	11	12	13	23	9	21	1,400,637	1/

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

TABLE 5. PLANTS MAKING COTTAGE CHEESE CURD: NUMBER OF PLANTS BY SIZE GROUPS AND ANNUAL PRODUCTION OF ALL PLANTS AND THOSE 4 MILLION POUNDS AND OVER, BY REGION, 1982

REGIONS	PRODUCTION-SIZE GROUPS (THOUSAND POUNDS)										TOTAL PLANTS	PRODUCTION		
	NUMBER OF PLANTS											ALL PLANTS	THOUSAND POUNDS	
	LESS THAN 100	100-249	250-999	1,000-1,999	2,000-3,999	4,000+	PLANTS	PLANTS	PRODUCING					
NORTH ATLANTIC	15	8	0	5	1	16	172,558	161,633						
NORTH CENTRAL	6	7	9	20	23	18	214,158	109,035						
SOUTH	10	1	18	11	9	5	83,065	30,594						
WEST	11	12	14	11	7	11	160,050	110,583						
UNITED STATES	42	28	41	47	40	50	628,949	411,845						

TABLE 6. PLANTS MAKING ICE CREAM (HARD): NUMBER OF PLANTS BY SIZE GROUPS AND ANNUAL PRODUCTION OF ALL PLANTS AND THOSE 5 MILLION GALLONS AND OVER, BY REGION, 1982

REGIONS	PRODUCTION-SIZE GROUPS (THOUSAND GALLONS)										TOTAL PLANTS	PRODUCTION		
	NUMBER OF PLANTS											ALL PLANTS	THOUSAND GALLONS	
	LESS THAN 25	25-49	50-99	100-249	250-499	500-749	750-999	1,000-1,999	2,000-4,999	5,000+			PLANTS	PLANTS
NORTH ATLANTIC	73	25	26	21	16	8	2	11	9	13	201,407	137,146		
NORTH CENTRAL	51	30	17	29	9	16	15	34	23	10	245,005	86,133		
SOUTH	26	11	7	18	15	11	13	30	28	7	218,857	53,633		
WEST	141	28	24	19	15	9	4	11	19	10	157,955	68,474		
UNITED STATES	291	94	74	87	55	44	34	86	79	40	823,224	345,386		

TABLE 7. PLANTS MAKING ICE MILK MIX: NUMBER OF PLANTS BY SIZE GROUPS AND ANNUAL PRODUCTION OF ALL PLANTS AND THOSE 500 THOUSAND GALLONS AND OVER, BY REGION, 1982

REGIONS	TOTAL PLANTS	PRODUCTION-SIZE GROUPS (THOUSAND GALLONS)						PRODUCTION		
		LESS THAN 25	25-49	50-99	100-249	250-499	500+	ALL PLANTS	PRODUCING 500,000+	THOUSAND GALLONS
NORTH ATLANTIC	107	48	8	10	15	10	16	23,494	16,265	
NORTH CENTRAL	198	72	21	19	34	20	32	62,198	46,719	
SOUTH	213	46	19	38	46	33	31	58,580	36,046	
WEST	121	34	12	10	26	17	22	36,757	25,163	
UNITED STATES	639	199	60	77	121	80	101	181,029	124,193	

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