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# Dairy Products



National  
Agricultural  
Statistics  
Service  
Fact Finding  
for Agriculture

United States  
Department of  
Agriculture

Agricultural  
Statistics  
Board

Washington, D.C.

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## MAY 1988 HIGHLIGHTS

BUTTER production was 108 million pounds in May, up 10 percent from May 1987 but down 3 percent April 1988.

AMERICAN TYPE CHEESE totaled 259 million pounds, 1 percent less than May last year but 3 percent more than last month.

TOTAL CHEESE output (excluding cottage cheese) was 490 million pounds, 3 percent more than May 1987 and 4 percent more than April 1988.

CREAMED COTTAGE CHEESE production was 57.6 million pounds, 3 percent below May last year but 5 percent more than April 1988.

LOWFAT COTTAGE CHEESE production was 25.1 million pounds, 6 percent more than May 1987 and 9 percent more than April 1988.

CANNED EVAPORATED AND CONDENSED WHOLE MILK, 51.3 million pounds, down 8 percent from May 1987 and 6 percent below April 1988.

FROZEN DESSERTS: (Comparisons with May 1987)  
Ice cream (Hard) -- 80.9 million gallons, down 1 percent.  
Ice milk -- 34.7 million gallons, up 9 percent.  
Sherbet (Hard) -- 4.51 million gallons, no change.

DRY MILK PRODUCTS: (Comparisons with May 1987)  
Nonfat dry milk for human food -- 104 million pounds, down 15 percent.  
Dry whole milk -- 16.7 million pounds, up 44 percent.  
Dry buttermilk -- 4.74 million pounds, down 11 percent.

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\* The next issue of this report will be published August 4, 1988 \*  
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## BUTTER PACKAGING SURVEY

The results for March and April 1988 surveys are shown below. Total supply of butter includes butter produced, interplant movement and bulk packaged butter removed from manufacturers' owned storage. Supply is the sum of butter bulk packaged, printed, and used in other products.

### MONTHLY BUTTER PACKAGING

ITEM	MAR	APR
	1,000 pounds	
TOTAL SUPPLY	145,454	130,297
	PERCENT OF DISPOSITION	
PACKED IN BULK	44.1	49.0
PRINTED	52.0	47.7
USED IN OTHER PRODUCTS	3.9	3.3
	PERCENT OF PRINTED 1/	
PRINTED IN:		
QUARTERS	45.7	31.9
ONE POUND SOLIDS (COMMERCIAL SALES):	26.2	34.3
INDIVIDUAL PORTIONS	8.6	9.9
ONE POUND SOLIDS (GOVERNMENT SALES):	2/	23.2
OTHER SIZES	19.5	.7
	PERCENT OF PACKAGED IN BULK	
BULK PACKAGED:		
SHIPPED TO OTHER PLANTS	15.7	15.1
SHIPPED TO DISTRIBUTORS & WHOLESALE	21.7	19.7
SHIPPED TO FOOD PROCESSORS	16.6	12.9
INSTITUTIONS, CCC,	3/	28.5
STORAGE FOR LATER USE	46.0	23.8

1/ A CHANGE IN QUESTION WORDING MAY HAVE ALTERED RELATIONSHIP IN THE REPORTED CATEGORIES OF PRINTED BUTTER.

2/ PREVIOUS DATA ARE NOT COMPARABLES TO CURRENT DATA. DATA INCLUDED IN OTHER SIZES.

3/ PREVIOUS DATA WAS NOT PUBLISHED IN CURRENT DETAIL. DATA FOR INSTITUTIONAL, CCC AND OWN STORAGE WERE PREVIOUSLY COMBINED.



WHEY AND MODIFIED WHEY PRODUCTS: PRODUCTION, STOCKS,  
AND PRICES 1/, UNITED STATES, MAY 1988

PRODUCT	PRODUCTION 1,000 POUNDS		PERCENT	
	MAY 1987	APR 1988	MAY 1988	PERCENT OF MAY : APR 1987 : 1988
CONDENSED WHEY, SOLIDS CONTENT 2/:				
SWEET-TYPE, HUMAN FOOD	7,065	7,644	6,832	97 89
SWEET-TYPE, ANIMAL FEED	3,074	2,230	2,671	87 120
DRY WHEY PRODUCTS				
DRY WHEY, HUMAN FOOD	75,182	73,859	80,449	107 109
DRY WHEY, ANIMAL FEED	23,104	17,061	16,538	72 97
REDUCED LACTOSE AND MINERALS				
HUMAN FOOD	8,661	9,172	9,352	108 102
ANIMAL FEED	2,486	2,374	2,478	100 104
LACTOSE, HUMAN FOOD	12,613	14,057	13,820	110 98
LACTOSE, ANIMAL FEED	1,189	967	879	74 91
WHEY SOLIDS IN WET BLENDS				
HUMAN FOOD	2,263	3,516	2,166	96 62
ANIMAL FEED	8,068	7,343	8,256	102 112
WHEY PROTEIN CONCENTRATE				
HUMAN FOOD	6,847	8,609	8,824	129 102
ANIMAL FEED	1,964	1,781	1,884	96 106
MANUFACTURERS' STOCKS, END OF MONTH 3/ 1,000 POUNDS PERCENT				
DRY WHEY PRODUCTS				
DRY WHEY				
HUMAN FOOD	24,281	23,314	24,804	102 106
ANIMAL FEED	9,810	8,465	7,335	75 87
REDUCED LACTOSE AND MINERALS				
HUMAN AND ANIMAL 4/	11,690	9,772	10,143	87 104
LACTOSE, HUMAN FOOD	10,586	18,796	20,308	192 108
LACTOSE, ANIMAL FEED	865	2,401	2,375	275 99
WHEY PROTEIN CONCENTRATE				
HUMAN FOOD	4,762	3,529	3,957	83 112
ANIMAL FEED	347	22	43	12 195
MANUFACTURERS' SELLING PRICE 5/ CENTS PER POUND CENTS CHANGE				
CONDENSED WHEY SOLIDS 2/				
SWEET-TYPE, HUMAN FOOD	12.0	10.6	11.3	-0.7 +0.7
SWEET-TYPE, ANIMAL FEED	4.0	6.0	6.0	+2.0 N.C.
DRY WHEY, HUMAN FOOD	21.0	15.8	18.1	-2.9 +2.3
DRY WHEY, ANIMAL FEED	15.4	13.9	15.8	+0.4 +1.9

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/ STOCKS HELD BY MANUFACTURERS AT ALL POINTS AND IN TRANSIT. 4/ REDUCED LACTOSE AND MINERALS STOCKS COMBINED TO AVOID DISCLOSURE OF INDIVIDUAL OPERATIONS. 5/ PRICES FOR BULK GOODS, F.O.B. PLANT. AVERAGE MONTHLY PRICES REPORTED BY FIRMS.

PRODUCTION OF DAIRY PRODUCTS, UNITED STATES, 1987-88

MONTH	BY MONTH			CUMULATIVE		
	1987	1988	1988 AS % OF 1987	1987	1988	1988 AS % OF 1987
	1,000 POUNDS		PERCENT	1,000 POUNDS		PERCENT
<b>BUTTER</b>						
JAN	111,870	124,711	111	111,870	124,711	111
FEB	97,437	117,088	120	209,307	241,799	116
MAR	105,403	116,435	110	314,710	358,234	114
APR	102,599	111,655	109	417,309	469,889	113
MAY	98,169	107,866	110	515,478	577,755	112
JUN	81,477			596,955		
JUL	75,203			672,158		
AUG	66,356			738,514		
SEP	77,933			816,447		
OCT	91,217			907,664		
NOV	87,922			995,586		
DEC	108,549			1,104,135		
<b>AMERICAN CHEESE</b>						
JAN	220,621	225,806	102	220,621	225,806	102
FEB	208,583	221,040	106	429,204	446,846	104
MAR	237,064	244,590	103	666,268	691,436	104
APR	245,216	251,819	103	911,484	943,255	103
MAY	262,184	258,692	99	1,173,668	1,201,947	102
JUN	245,921			1,419,589		
JUL	235,324			1,654,913		
AUG	205,889			1,860,802		
SEP	201,796			2,062,598		
OCT	214,099			2,276,697		
NOV	207,399			2,484,096		
DEC	232,563			2,716,659		
<b>ITALIAN CHEESE</b>						
JAN	140,217	148,232	106	140,217	148,232	106
FEB	133,024	146,694	110	273,241	294,926	108
MAR	153,465	165,776	108	426,706	460,702	108
APR	153,059	156,519	102	579,765	617,221	106
MAY	149,287	159,453	107	729,052	776,674	107
JUN	149,981			879,033		
JUL	149,622			1,028,655		
AUG	149,229			1,177,884		
SEP	154,397			1,332,281		
OCT	154,952			1,487,233		
NOV	148,304			1,635,537		
DEC	164,233			1,799,770		
<b>TOTAL CHEESE</b>						
JAN	421,953	432,771	103	421,953	432,771	103
FEB	398,637	428,823	108	820,590	861,594	105
MAR	457,447	483,860	106	1,278,037	1,345,454	105
APR	462,054	473,102	102	1,740,091	1,818,556	105
MAY	477,848	490,164	103	2,217,939	2,308,720	104
JUN	465,602			2,683,541		
JUL	453,831			3,137,372		
AUG	426,017			3,563,389		
SEP	430,668			3,994,057		
OCT	448,593			4,442,650		
NOV	431,849			4,874,499		
DEC	469,724			5,344,223		

PRODUCTION OF DAIRY PRODUCTS, UNITED STATES, 1987-88

MONTH	BY MONTH			CUMULATIVE		
	1987	1988	1988 AS % OF 1987	1987	1988	1988 AS % OF 1987
	1,000 GALLONS		PERCENT	1,000 GALLONS		PERCENT
<b>ICE CREAM (HARD)</b>						
JAN	58,466	54,544	93	58,466	54,544	93
FEB	67,264	63,184	94	125,730	117,728	94
MAR	77,460	76,402	99	203,190	194,130	96
APR	78,128	73,636	94	281,318	267,766	95
MAY	81,538	80,885	99	362,856	348,651	96
JUN	92,620			455,476		
JUL	92,010			547,486		
AUG	84,347			631,833		
SEP	75,623			707,456		
OCT	63,495			770,951		
NOV	57,093			828,044		
DEC	58,521			886,565		
<b>ICE MILK</b>						
JAN	19,138	18,809	98	19,138	18,809	98
FEB	21,634	21,273	98	40,772	40,082	98
MAR	27,437	29,463	107	68,209	69,545	102
APR	29,109	29,594	102	97,318	99,139	102
MAY	31,715	34,710	109	129,033	133,849	104
JUN	36,725			165,758		
JUL	37,205			202,963		
AUG	32,863			235,826		
SEP	27,980			263,806		
OCT	24,982			288,788		
NOV	20,572			309,360		
DEC	20,952			330,312		
<b>SHERBET (HARD)</b>						
JAN	2,951	2,693	91	2,951	2,693	91
FEB	3,153	3,170	101	6,104	5,863	96
MAR	3,775	4,494	119	9,879	10,357	105
APR	4,424	4,628	105	14,303	14,985	105
MAY	4,515	4,512	100	18,818	19,497	104
JUN	5,463			24,281		
JUL	5,297			29,578		
AUG	4,608			34,186		
SEP	3,854			38,040		
OCT	2,923			40,963		
NOV	2,641			43,604		
DEC	2,969			46,573		
<b>MELLORINE-TYPE FROZEN DESSERT</b>						
JAN	586	439	75	586	439	75
FEB	686	667	97	1,272	1,106	87
MAR	861	942	109	2,133	2,048	96
APR	815	1,096	134	2,948	3,144	107
MAY	973	1,171	120	3,921	4,315	110
JUN	1,194			5,115		
JUL	1,180			6,295		
AUG	1,104			7,399		
SEP	967			8,366		
OCT	677			9,043		
NOV	556			9,599		
DEC	511			10,110		

PRODUCTION OF DAIRY PRODUCTS, UNITED STATES, 1987-88

MONTH	BY MONTH			CUMULATIVE		
	1987	1988	1988 AS % OF 1987	1987	1988	1988 AS % OF 1987
	1,000 POUNDS		PERCENT	1,000 POUNDS		PERCENT
NONFAT DRY MILK						
HUMAN FOOD						
JAN	82,014	83,781	102	82,014	83,781	102
FEB	79,139	85,789	108	161,153	169,570	105
MAR	92,556	95,801	104	253,709	265,371	105
APR	107,690	102,596	95	361,399	367,967	102
MAY	122,578	104,115	85	483,977	472,082	98
JUN	109,208			593,185		
JUL	99,549			692,734		
AUG	80,391			773,125		
SEP	65,668			838,793		
OCT	64,739			903,532		
NOV	65,506			969,038		
DEC	90,011			1,059,049		
TOTAL DRY WHEY 1/						
JAN	78,557	89,349	114	78,557	89,349	114
FEB	75,641	83,648	111	154,198	172,997	112
MAR	89,567	94,856	106	243,765	267,853	110
APR	91,335	90,920	100	335,100	358,773	107
MAY	98,286	96,987	99	433,386	455,760	105
JUN	90,762			524,148		
JUL	87,956			612,104		
AUG	84,501			696,605		
SEP	85,333			781,938		
OCT	82,116			864,054		
NOV	79,778			943,832		
DEC	90,468			1,034,300		
CREAMED COTTAGE						
CHEESE						
JAN	55,875	51,025	91	55,875	51,025	91
FEB	53,317	53,702	101	109,192	104,727	96
MAR	60,358	58,586	97	169,550	163,313	96
APR	58,474	54,863	94	228,024	218,176	96
MAY	59,061	57,581	97	287,085	275,757	96
JUN	60,488			347,573		
JUL	58,669			406,242		
AUG	56,902			463,144		
SEP	56,181			519,325		
OCT	54,496			573,821		
NOV	51,279			625,100		
DEC	49,438			674,538		
LOWFAT COTTAGE						
CHEESE						
JAN	21,899	20,954	96	21,899	20,954	96
FEB	22,150	21,640	98	44,049	42,594	97
MAR	23,945	23,715	99	67,994	66,309	98
APR	23,347	23,103	99	91,341	89,412	98
MAY	23,686	25,123	106	115,027	114,535	100
JUN	24,738			139,765		
JUL	23,261			163,026		
AUG	23,463			186,489		
SEP	23,354			209,843		
OCT	22,163			232,006		
NOV	19,678			251,684		
DEC	18,601			270,285		

1/ EXCLUDES ALL MODIFIED DRY WHEY PRODUCTS.

AMERICAN CHEESE: PRODUCTION BY STATES, MAY 1988

STATE	MAY	APR	MAY	PERCENT OF	
	1987	1988	1988	MAY	APR
	1,000 POUNDS			PERCENT	
				1987	1988
CALIF	20,918	22,400	21,000	100	94
IDAHO	7,590	7,995	8,045	106	101
IND	3,330	3,178	3,035	91	96
IOWA	11,655	11,130	11,757	101	106
KANS	3,599	3,619	3,604	100	100
KY	3,196	1,430	1,314	41	92
MICH	2,723	1,100	1,323	49	120
MINN	48,574	49,520	50,002	103	101
MO	6,937	8,215	8,280	119	101
N Y	9,237	8,300	7,900	86	95
N DAK	4,553	3,350	3,640	80	109
OHIO	2,677	1,590	2,250	84	142
OREG	3,000	2,630	2,650	88	101
S DAK	7,091	6,682	6,971	98	104
UTAH	3,396	2,609	3,482	103	133
WASH	2,467	1,950	2,345	95	120
WIS	99,758	91,500	97,500	98	107
OTH STS	21,483	24,621	23,594	110	96
U S	262,184	251,819	258,692	99	103

BUTTER: PRODUCTION BY STATES, MAY 1988

STATE	MAY	APR	MAY	PERCENT OF	
	1987	1988	1988	MAY	APR
	1,000 POUNDS			PERCENT	
				1987	1988
CALIF	17,574	18,800	19,900	113	106
KANS	1,925	2,041	2,254	117	110
MICH	3,225	3,307	3,375	105	102
MINN	12,866	12,898	13,093	102	102
MO	1,558	2,067	1,223	78	59
N Y	3,257	2,913	2,637	81	91
N DAK	457	600	410	90	68
OHIO	1,044	1,951	1,888	181	97
OKLA	1,058	1,559	1,552	147	100
OREG	1,156	1,350	1,400	121	104
PA	6,234	6,300	5,055	81	80
UTAH	561	658	618	110	94
WASH	7,385	8,058	8,798	119	109
WIS	22,290	26,500	25,500	114	96
OTH STS	17,579	22,653	20,163	115	89
U S	98,169	111,655	107,866	110	97



ICE CREAM (HARD): PRODUCTION BY STATES, MAY 1988

STATE	1,000 GALLONS			PERCENT OF	
	MAY 1987	APR 1988	MAY 1988	MAY 1987	APR 1988
ALA	1,847	1,790	1,880	102	105
ARIZ	620	561	586	95	104
CALIF	9,754	9,200	9,450	97	103
COLO	942	809	772	82	95
FLA	3,193	2,520	1,715	54	68
GA	872	858	806	92	94
ILL	2,754	2,340	2,498	91	107
IND	2,304	2,679	2,025	88	76
IOWA	2,470	1,976	2,301	93	116
KANS	721	640	617	86	96
MD 1/	1,584	1,165	1,437	91	123
MASS	3,804	3,600	4,270	112	119
MICH	3,202	2,460	2,890	90	117
MINN	3,724	3,266	3,467	93	106
MO	2,063	1,820	2,030	98	112
N J	1,266	2,000	2,100	166	105
N Y	3,685	4,280	4,300	117	100
N C	2,569	2,347	3,061	119	130
OHIO	3,723	3,150	3,860	104	123
OKLA	1,199	1,046	1,315	110	126
OREG	644	650	700	109	108
PA	7,892	6,780	8,405	107	124
S C	1,393	1,265	1,227	88	97
TENN	2,106	1,659	1,690	80	102
TEX	4,587	3,848	5,040	110	131
UTAH	784	927	966	123	104
VA	1,077	950	1,256	117	132
WASH	1,690	1,466	1,479	88	101
WIS	2,067	2,000	2,200	106	110
OTH STS	7,002	5,584	6,542	93	117
U S	81,538	73,636	80,885	99	110

1/ INCLUDES DISTRICT OF COLUMBIA.

CANNED MILK AND DRY MILK PRODUCTS: MANUFACTURERS' SHIPMENTS,  
STOCKS AND SELLING PRICES, MAY 1988

PRODUCT	MAY 1987	APR 1988	MAY 1988	PERCENT OF	
				MAY 1987	APR 1988
	MANUFACTURERS' SHIPMENTS 1/ 1,000 POUNDS			PERCENT	
DRY WHOLE MILK	9,429	10,946	12,185	129	111
NONFAT DRY MILK FOR HUMAN FOOD	95,821	83,924	99,645	104	119
DRY SKIM MILK FOR ANIMAL FEED	1,276	537	851	67	158
DRY BUTTERMILK, FOR HUMAN FOOD	5,173	7,912	5,353	103	68
	MANUFACTURERS' STOCKS, END-OF-MONTH 2/ 1,000 POUNDS			4/ PERCENT	
CANNED EVAPORATED: AND CONDENSED WHOLE MILK	69,877	71,298	85,109	122	119
DRY WHOLE MILK NONFAT DRY MILK FOR HUMAN FOOD	6,562	8,355	9,313	142	111
DRY SKIM MILK FOR ANIMAL FEED	86,803	70,839	74,145	85	105
DRY BUTTERMILK, TOTAL	1,127	1,717	1,564	139	91
	3,814	5,753	5,621	147	98
	MANUFACTURERS' SELLING PRICES 3/ CENTS PER POUND			4/ CHANGE CENTS	
DRY WHOLE MILK	110.98	106.16	107.96	-3.02	+1.80
NONFAT DRY MILK FOR HUMAN FOOD	79.42	73.38	73.51	-5.91	+0.13
DRY SKIM MILK FOR ANIMAL FEED	50.14	44.02	47.83	-2.31	+3.81
DRY BUTTERMILK, FOR HUMAN FOOD	66.22	67.22	71.30	+5.08	+4.08

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.

USDA DAIRY SUPPORT PROGRAM ACTIVITIES, UNITED STATES, MAY 1988

PRODUCT	CCC PURCHASES (DELIVERY BASIS)				UNCOMMITTED CCC INVENTORIES	
	MAY 1987	MAY 1988	OCT 1, 1986 THROUGH MAY 31, 1987	OCT 1, 1987 THROUGH MAY 31, 1988	MAY 31, 1987	MAY 31, 1988 1/
	1,000 POUNDS					
BUTTER	13,966	42,435	130,279	289,067	163,952	205,362
CHEESE 2/ NONFAT	25,247	35,081	173,539	259,319	252,872	57,177
DRY MILK	58,835	53,616	362,952	337,137	121,138	23,690

1/ INCLUDES THE FOLLOWING QUANTITIES IN SPECIAL CONTAINERS OR FORM WHICH CAN LATER BE COMMITTED TO PROGRAM USES: PRINT BUTTER 46,924,507 POUNDS; PROCESS CHEESE, 36,192,706 POUNDS; AND FORTIFIED NONFAT DRY MILK 64,250,579 POUNDS. 2/ AMERICAN AND MOZZARELLA CHEESE.



