FLORIDA AGRICULTURAL STATISTICS

DAIRY SUMMARY

FLORIDA DEPARTMENT OF AGRICULTURE
AND CONSUMER SERVICES
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TALLAHASSEE, FLORIDA

Florida Agricultural
Statistics Service

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Cooperating with

U.S. Department of Agriculture
Agricultural Marketing Service
and
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Statistics Service

ACKNOWLEDGMENT

This publication summarizes basic information concerning Florida's dairy industry. It is intended for the use of dairymen, allied industries, and all others who are interested in dairy statistics.

Many dairy producers, marketing agencies, Federal Order Market Administrators, and others voluntarily supplied basic data used to develop these statistics. Their cooperation is sincerely appreciated.

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DAIRY SUMMARY

Florida dairies produced a record high 2,350 million pounds of milk in 1988. This was 6 percent or 141 million pounds above the previous record set in 1987. Production per cow was a new high of 12,912 pounds in 1988, 432 pounds above the record average of 1987.

During 1988, an average of 182,000 milk cows were on Florida farms and commercial dairies, 5,000 more than 1987. Florida ranked 16th in average number of milk cows and 16th in total milk production among all States.

Cash receipts from marketings of Florida milk in 1988 totaled $355,680,000, more than $12 million above 1987. Milk marketed by producers averaged $15.20 per cwt in 1988 compared with $15.60 in 1987.

Total United States milk production in 1988 was 145,527 million pounds, 2 percent above the 1987 production of 142,557 million pounds. During 1988, there were an average of 10,239,000 milk cows on U.S. farms and dairies, down from the 10,329,000 milk cows in 1987 Production per cow was a record 14,213 pounds, up 411 pounds from the previous record of 13,802 pounds set in 1987.

Cash receipts from marketings of milk during 1988 totaled $17,669 million for the nation, down slightly from the $17,709 million in 1987. Average price per cwt was $12.33 in 1988 compared with $12.62 in 1987.

Cash receipts from livestock marketings: Florida, 1979-1988 1/

Year	Cattle and calves	Hogs	Milk	Chickens and eggs 2/	Total 3/ livestock and products	Percent of total farm cash receipts
	Thousand dollars					
1979	423,721	51,838	286,822	213,242	1,001,311	26
1980	347,706	53,076	317,422	214,196	945,832	23
1981	370,730	56,125	347,592	236,525	1,026,286	24
1982	310,907	47,624	343,416	224,724	1,018,326	24
1983	359,015	36,466	346,335	233,329	1,078,395	23
1984	373,133	27,088	304,398	284,375	1,098,633	23
1985	334,247	17,606	333,465	230,047	1,023,070	22
1986	272,920	23,376	346,680	256,630	1,017,626	22
1987	387,883	23,550	342,000	223,246	1,101,730	21
1988	372,431	19,024	355,680	253,446	1,155,908	20

1/ Does not include government payments. 2/ Beginning in 1985, value of eggs is for total production including consumption on farms where produced. 3/ Calendar year basis for cattle, calves, sheep, lambs, milk and total livestock and products. Total includes other items not shown separately and otherwise is not strictly comparable with components which reflect a marketing year of December previous year through November current year, for hogs, eggs, broilers, and other chickens.

Cows and heifer calves kept for milk: Number on farms, by classes, Florida, January 1 and July 1, 1980-1989

Year	January 1		July 1	
	Cows and heifers: that have calved	Heifers 500 pounds & over	Cows and heifers: that have calved	Heifers 500 pounds & over
	1,000 head			
1980	184	35	187	46
1981	187	39	190	44
1982	190	45	1/	1/
1983	190	45	1/	1/
1984	190	45	1/	1/
1985	164	44	1/	1/
1986	186	36	1/	1/
1987	178	35	1/	1/
1988	179	30	1/	1/
1989	182	40	1/	1/

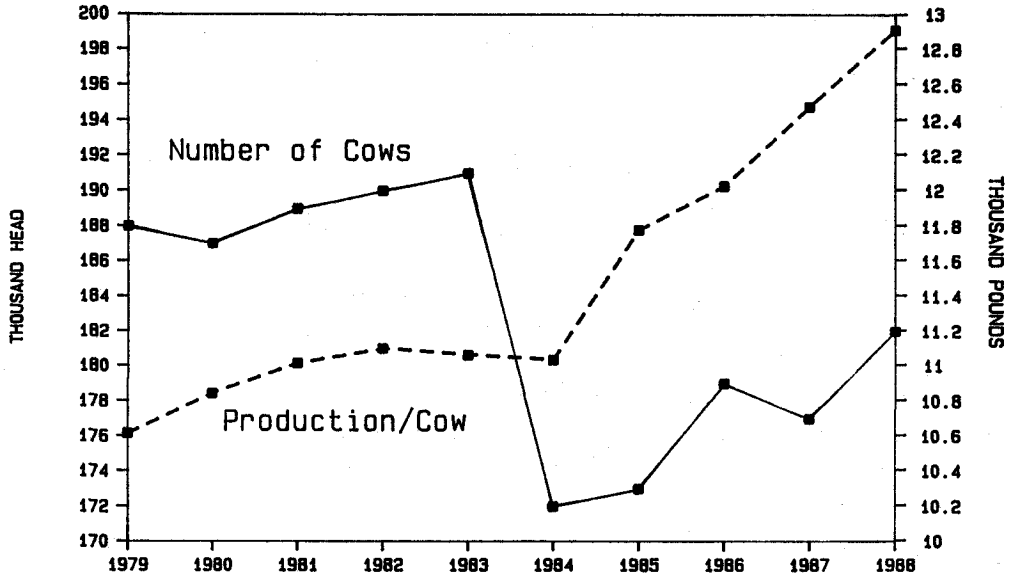
1/ Florida estimates are not available.

Milk: Production, utilization, milkfat and cash receipts, Florida 1979-1988

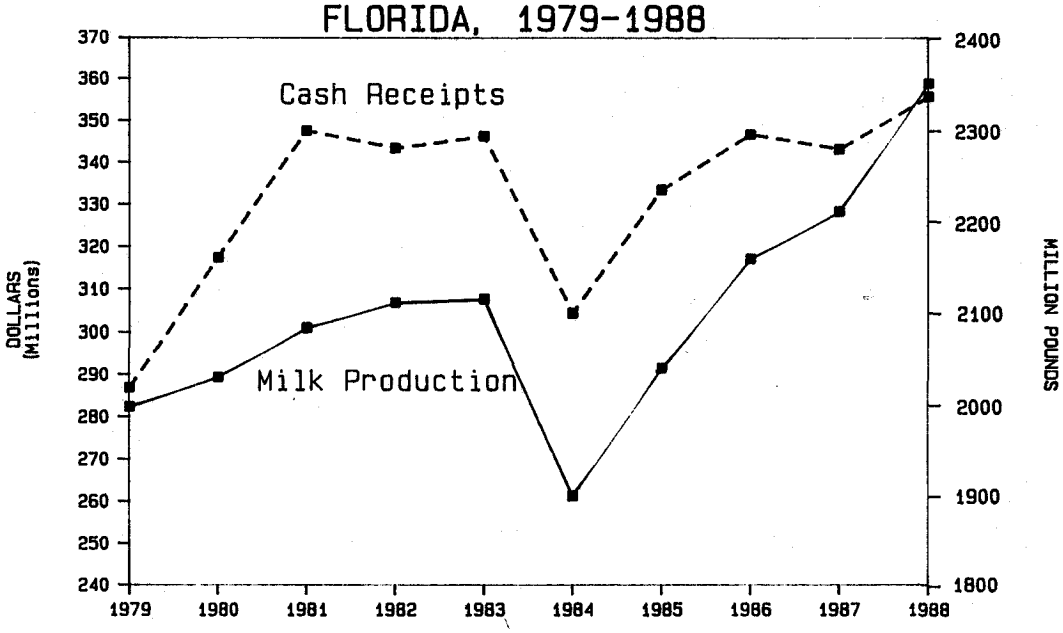
Year	Total milk production 1/	Milk used on farms	Milk sold to plants and dealers 2/	Milkfat	Cash receipts from marketings
	Million pounds			Percent	1,000 dollars
1979	1,996	20	1,976	3.45	286,822
1980	2,028	19	2,009	3.44	317,422
1981	2,082	13	2,069	3.47	347,592
1982	2,109	15	2,094	3.49	343,416
1983	2,113	13	2,099	3.55	346,335
1984	1,898	19	1,879	3.51	304,398
1985	2,038	17	2,021	3.57	333,465
1986	2,157	17	2,140	3.56	346,680
1987	2,209	9	2,200	3.51	343,200
1988	2,350	10	2,340	3.54	355,680

1/ Excludes milk sucked by calves.
2/ Includes sales directly to consumers by producers who sell milk from their own herds. Also includes milk produced by institutional herds.

NUMBER OF MILK COWS IN HERD AND ANNUAL MILK PRODUCTION PER COW, FL, 1979-1988



CASH RECEIPTS AND ANNUAL MILK PRODUCTION FLORIDA, 1979-1988



Milk cows and production: Number on farms and milk production, by months, Florida, 1979-1988

Year	Jan	Feb	Mar	Apr	May	Jun
Milk cows						
			Thousands			
1979	189	189	189	190	191	191
1980	184	185	185	187	187	188
1981	187	187	187	187	187	190
1982	190	190	189	1/	1/	189
1983	190	190	190	190	191	191
1984	188	183	178	173	170	169
1985	164	167	169	172	175	173
1986	186	188	186	182	180	175
1987	178	175	177	177	179	177
1988	184	184	185	184	184	180
Milk production per cow						
			Pounds			
1979	945	885	1,005	945	950	850
1980	995	960	1,040	975	965	865
1981	980	935	1,065	1,010	1,000	860
1982	1,030	985	1,090	1/	1/	2,860
1983	1,035	955	1,060	995	995	905
1984	990	960	1,035	1,005	990	880
1985	1,045	960	1,080	1,050	1,050	970
1986	1,070	1,000	1,120	1,090	1,100	1,000
1987	1,140	1,100	1,210	1,150	1,140	1,020
1988	1,185	1,165	1,225	1,165	1,150	1,040
Milk production						
			Million pounds			
1979	179	167	190	180	181	162
1980	183	178	192	182	180	163
1981	183	175	199	189	187	163
1982	196	187	206	1/	1/	541
1983	197	181	201	189	190	173
1984	186	176	184	174	168	149
1985	171	160	183	181	184	168
1986	199	188	208	198	198	175
1987	203	193	214	204	204	181
1988	218	214	227	214	212	187

See footnote at end of table. Continued

Milk cows and production: Number on farms and milk production, by months, Florida, 1979-1988 (continued)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Milk cows							
				Thousands			
1979	190	189	187	186	185	184	188
1980	187	187	187	187	187	187	187
1981	190	190	190	189	189	190	189
1982	1/	1/	190	1/	1/	190	190
1983	191	191	191	191	191	190	191
1984	168	168	168	166	164	164	172
1985	175	175	175	175	177	180	173
1986	172	172	174	177	178	181	179
1987	175	175	174	176	177	179	177
1988	179	179	179	181	182	182	182
Milk production per cow							
				Pounds			
1979	805	795	775	835	865	945	10,617
1980	820	800	785	850	865	955	10,845
1981	830	810	790	880	900	990	11,016
1982	1/	1/	2,400	1/	1/	2,750	11,100
1983	840	810	795	865	885	955	11,063
1984	845	800	800	870	890	980	11,035
1985	965	910	870	915	940	1,030	11,780
1986	960	905	840	905	950	1,055	12,028
1987	965	870	840	940	990	1,135	12,480
1988	980	930	895	990	1,030	1,160	12,912
Milk production							
				Million pounds			
1979	153	150	145	155	160	174	1,996
1980	153	150	147	159	162	179	2,028
1981	158	154	150	166	170	188	2,082
1982	1/	1/	456	1/	1/	523	2,109
1983	160	155	152	165	169	181	2,113
1984	142	134	134	144	146	161	1,898
1985	169	159	152	160	166	185	2,038
1986	165	156	146	160	170	194	2,157
1987	169	152	146	165	175	203	2,209
1988	175	166	160	179	187	211	2,350

1/ From April-December, 1982, only quarterly estimates were made. Monthly estimates were resumed in January, 1983.

Florida commercial dairies: Inventories of cows, and milk production by counties

County 1/	January 1 1987 milk cows	1987 annual milk production	January 1 1988 milk cows
	Number	Thousand pounds	Number
Escambia, Santa Rosa, Walton	2,100	26,400	2,100
West Florida	2,100	26,400	2,100
Duval	5,200	67,000	4,900
Holmes	1,600	17,700	1,600
Jackson	2,600	36,500	2,900
Marion	3,800	47,600	3,800
Nassau	7,500	93,100	6,400
Alachua, Dixie, Gilchrist, Levy	8,600	121,000	9,600
Baker, Columbia, Hamilton	3,300	39,000	3,500
Bay, Calhoun, Washington	1,900	18,800	1,700
Brevard, Osceola	600	6,100	600
Bradford, Clay, Putnam	9,500	125,200	9,200
Jefferson, Leon	3,400	45,700	3,400
Lafayette	9,500	116,200	9,800
Lake	2,800	34,600	2,800
Orange, Volusia, Sumter	2,600	32,100	2,400
Suwannee	3,000	43,600	3,500
Upper Florida	65,900	844,200	66,100
Highlands	10,300	122,300	10,400
Hillsborough	10,800	123,200	10,200
Polk	3,500	40,100	3,600
Charlotte, DeSoto, Hardee	7,000	70,300	6,000
Manatee, Sarasota	8,000	99,900	8,000
Hernando, Pasco	8,600	121,800	10,200
Tampa Bay	48,200	577,600	48,400
Martin	4,300	54,800	4,400
Okeechobee	42,800	542,200	44,000
Palm Beach, Glades	7,000	89,200	6,600
Broward	2,900	33,600	2,700
Indian River, St. Lucie	2,800	32,000	2,700
Southeastern	59,800	751,800	60,400
Commercial Dairies	176,000	2,200,000	177,000

1/ Some counties combined to avoid disclosing individual operations. Counties grouped by Federal milk market order distribution areas. A marketing area is the distribution area in which milk is sold to consumers and does not correspond to the area where the milk is produced.

Florida commercial dairies: Inventories of cows, and milk production by counties

County 1/	January 1 1988 milk cows	1988 annual milk production	January 1 1989 milk cows 2/
	Number	Thousand pounds	Number
Escambia, Santa Rosa, Walton	2,100	24,300	2,000
West Florida	2,100	24,300	2,000
Duval	4,900	61,000	4,500
Holmes	1,600	20,200	1,700
Jackson	2,900	40,500	3,200
Marion	3,800	50,600	3,900
Nassau	6,400	83,300	5,600
Alachua, Dixie, Gilchrist, Levy	9,600	165,000	13,000
Baker, Columbia, Hamilton	3,500	42,300	3,500
Bay, Calhoun, Washington	1,700	21,300	1,800
Brevard, Osceola	600	5,300	500
Bradford, Clay, Putnam	9,200	130,400	9,500
Jefferson, Leon	3,400	50,300	3,700
Lafayette	9,800	129,200	10,000
Lake	2,800	35,900	2,900
Orange, Volusia, Sumter	2,400	30,500	2,200
Suwannee	3,500	56,200	4,500
Upper Florida	66,100	922,000	70,500
Highlands	10,400	122,000	10,000
Hillsborough	10,200	110,900	9,100
Polk	3,600	42,400	3,600
Charlotte, DeSoto, Hardee	6,000	78,200	6,300
Manatee, Sarasota	8,000	96,600	7,400
Hernando, Pasco	10,200	130,900	10,400
Tampa Bay	48,400	581,000	46,800
Martin	4,400	58,200	4,400
Okeechobee	44,000	604,400	45,000
Palm Beach, Glades	6,600	77,400	5,600
Broward, Indian River, St. Lucie	5,400	72,700	5,700
Southeastern	60,400	812,700	60,700
Commercial Dairies	177,000	2,340,000	180,000

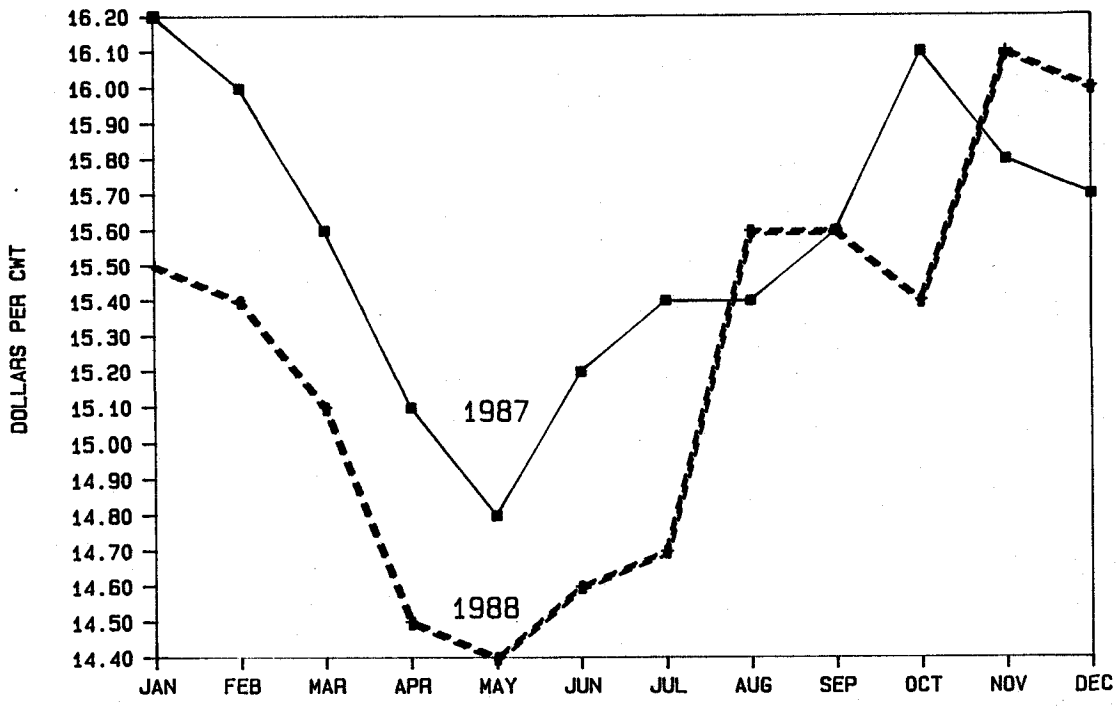
1/ Some counties combined to avoid disclosing individual operations. Counties grouped by Federal milk market order distribution areas. A marketing area is the distribution area in which milk is sold to consumers and does not correspond to the area where the milk is produced. 2/ Preliminary.

Milk sold to plants, eligible for fluid market: Average price per 100 pounds received by farmers, Florida, 1979-1988

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
1979	14.00	14.20	14.10	13.80	13.80	13.90
1980	15.50	15.60	15.30	15.20	15.40	15.30
1981	17.10	17.00	16.70	16.40	16.40	16.60
1982	16.70	16.60	16.50	16.10	16.00	16.20
1983	16.70	16.90	16.70	16.60	16.30	16.40
1984	15.90	15.70	15.70	15.40	15.50	15.60
1985	17.50	17.40	16.90	16.90	16.40	16.20
1986	16.00	15.80	15.60	15.50	16.20	16.10
1987	16.20	16.00	15.60	15.10	14.80	15.20
1988	15.50	15.40	15.10	14.50	14.40	14.60

	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
1979	14.10	15.20	15.20	15.20	15.60	15.50	14.50
1980	15.70	16.00	16.10	16.40	16.60	16.80	15.80
1981	16.80	16.80	16.90	17.10	17.00	17.00	16.80
1982	16.50	16.40	16.30	16.40	16.90	16.70	16.40
1983	16.60	17.00	16.60	16.00	16.00	16.00	16.50
1984	16.20	16.40	16.70	17.00	17.40	17.20	16.20
1985	16.50	16.80	15.90	16.00	16.00	15.80	16.50
1986	16.40	16.30	16.70	17.00	16.80	16.90	16.20
1987	15.40	15.40	15.60	16.10	15.80	15.70	15.60
1988	14.70	15.60	15.60	15.40	16.10	16.00	15.20

FLORIDA MILK PRICES, 1987-1988



Dairy products: Production of specified manufactured products and whole milk equivalents used in dairy products produced in Florida, 1979-1988

Year	Ice cream	Ice milk 1/	Milk sherbet	Total frozen products 2/	Whole milk equiv. in manufactured dairy products
	Thousand gallons				Thousand pounds
1979	32,553	15,406	1,754	49,713	433,218
1980	34,767	16,465	1,708	52,940	460,703
1981	34,322	14,589	1,678	50,589	433,222
1982	33,577	14,511	1,754	49,842	422,670
1983	34,002	13,979	1,758	49,739	415,032
1984	34,924	16,584	1,906	53,414	444,462
1985	37,041	17,755	1,793	56,589	464,003
1986	37,180	18,600	1,875	57,655	472,901
1987	35,133	18,619	2,004	55,756	431,897
1988	29,645	18,112	2,213	49,970	419,600

1/ Includes freezer-made milkshakes.
2/ Excludes "mellorine-type" desserts and other minor frozen dairy products.

Inshipments of raw milk, Florida

Month	1983	1984	1985	1986	1987	1988	1989
	Thousand pounds						
January	21,041	41,630	53,954	39,036	44,760	35,578	33,776
February	17,975	39,851	48,410	35,607	37,121	31,645	31,323
March	21,288	42,675	53,002	38,885	39,456	35,511	33,774
April	19,319	40,982	37,992	33,519	32,802	32,483	31,143
May	19,074	40,180	43,715	33,494	32,678	31,928	31,161
June	18,162	42,052	39,901	34,181	42,547	34,299	
July	29,900	51,594	40,150	43,206	42,691	47,233	
August	37,092	63,574	47,781	52,007	48,343	58,400	
September	43,355	62,001	57,968	67,757	79,052	65,242	
October	31,504	65,602	62,298	64,930	55,482	57,481	
November	30,647	64,797	45,581	53,158	47,434	54,629	
December	38,436	52,399	42,375	47,504	34,155	36,096	
Total	327,792	607,338	573,128	543,285	536,521	520,525	

Source: Bureau of Dairy Laboratories, Division of Dairy Industry, Florida Department of Agriculture and Consumer Services.

Inshipments: Milk cows and heifers shipped into Florida by truck to areas east and south of the Suwannee River, by States, 1984-1988

State	1984	1985	1986	1987	1988
			Number of head		
Alabama	1,269	1,999	2,243	1,680	1,606
Georgia	2,095	2,658	1,430	1,360	1,246
Illinois	2	298	464	351	117
Indiana	894	985	1,499	916	1,223
Iowa	80	454	216	76	--
Kentucky	2,012	5,996	4,805	3,227	1,980
Minnesota	790	517	107	260	232
Mississippi	1,084	2,544	2,976	2,780	2,138
Missouri	197	215	24	230	39
New York	3,303	8,594	6,003	7,853	6,518
North Carolina	593	2,385	1,163	680	825
Ohio	343	545	403	300	457
Pennsylvania	341	1,205	1,328	2,571	2,870
South Carolina	345	873	668	1,066	669
Tennessee	4,767	6,811	5,008	3,952	4,833
Virginia	353	1,834	2,488	3,233	3,153
Wisconsin	473	1,728	1,307	1,435	1,199
Other	772	2,390	2,851	2,887	2,612
Total	19,713	42,031	34,983	34,857	31,717

Cows and heifer calves kept for milk: Number on farms, by classes, United States, January 1 and July 1, 1980-1989

Year	January 1		July	
	Cows and heifers that have calved	Heifers 500 pounds & over	Cows and heifers that have calved	Heifers 500 pounds & over
	1,000 head			
1980	10,779	4,158	10,798	4,377
1981	10,860	4,345	10,920	4,628
1982	11,012	4,532	11,000	4,780
1983	11,047	4,545	11,100	4,880
1984	11,109	4,532	10,800	4,950
1985	10,805	4,760	11,050	5,000
1986	11,177	4,761	10,850	4,700
1987	10,502	4,331	10,400	4,600
1988	10,298	4,116	10,250	4,400
1989	10,217	4,199	N/A	N/A

Milk: Production and utilization, milk and milkfat, United States, 1979-1988

Year	Total production 1/		Milkfat in milk	Disposition of milk			
				Used on farms where produced		Milk marketed by farmers	
	Milk	Milkfat		Used for milk, cream & butter	Fed to calves 1/	Sold to plants 2/	Retail 3/
	Million pounds		Percent	Million pounds			
1979	123,350	4,512	3.66	1,040	1,442	119,379	1,489
1980	128,406	4,692	3.65	943	1,395	124,598	1,470
1981	132,770	4,836	3.64	886	1,418	128,994	1,472
1982	135,505	4,950	3.65	839	1,521	131,859	1,285
1983	139,672	5,105	3.66	842	1,527	136,090	1,211
1984	135,450	4,964	3.66	804	2,134	131,371	1,141
1985	143,147	5,249	3.67	709	1,747	139,436	1,255
1986	143,381	5,258	3.67	677	1,736	139,792	1,176
1987	142,557	5,208	3.65	656	1,606	139,092	1,202
1988	145,527	5,347	3.67	621	1,615	142,118	1,173

1/ Excludes milk sucked by calves. 2/ Includes milk produced by dealers' own herds (except for New York and California, where such milk is included as sold directly to consumers). 3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

Dairy production: Number of milk cows and production, by selected States, 1988

State	Milk cows 1/	Production 2/ Per milk cow	Production 2/ Total milk	Milkfat in milk
	Thousands	Pounds	Million pounds	Percent
Alabama	39	13,385	522	3.65
Arizona	89	16,854	1,500	3.75
Arkansas	68	11,603	789	3.57
California	1,015	18,403	18,679	3.66
Colorado	74	16,581	1,227	3.70
Connecticut	36	15,028	541	3.74
Florida	182	12,912	2,350	3.54
Georgia	104	11,875	1,235	3.67
Idaho	168	15,643	2,628	3.62
Illinois	206	13,617	2,805	3.66
Indiana	186	12,941	2,407	3.72
Iowa	307	12,267	3,766	3.61
Kansas	104	12,202	1,269	3.65
Kentucky	214	10,874	2,327	3.69
Louisiana	87	10,690	930	3.56
Maine	46	14,000	644	3.79
Maryland	109	13,239	1,443	3.70
Massachusetts	32	14,469	463	3.77
Michigan	350	14,937	5,228	3.66
Minnesota	802	12,983	10,412	3.64
Mississippi	68	11,676	794	3.64
Missouri	224	13,393	3,000	3.66
Nebraska	103	13,243	1,364	3.67
New York	822	13,900	11,426	3.68
North Carolina	106	14,670	1,555	3.74
North Dakota	92	11,543	1,062	3.65
Ohio	368	13,139	4,835	3.69
Oklahoma	108	10,926	1,180	3.62
Oregon	94	15,989	1,503	3.77
Pennsylvania	717	14,232	10,204	3.70
South Carolina	39	12,333	481	3.94
South Dakota	146	12,000	1,752	3.63
Tennessee	201	11,010	2,213	3.68
Texas	349	13,940	4,865	3.60
Utah	74	15,770	1,167	3.62
Vermont	169	14,124	2,387	3.76
Virginia	143	13,986	2,000	3.66
Washington	216	18,361	3,966	3.72
Wisconsin	1,763	14,407	25,400	3.71
United States (50 States)	10,239	14,213	145,527	3.67

1/ Average number on farms during year, excluding heifers not yet fresh.
2/ Excludes milk sucked by calves.

Milk cows and production: Number on farms and milk production, by quarters, United States, 1979-1988

Year	Mar	Jun	Sep	Dec	Annual average
Milk cows					
			Thousands		
1979	10,762	10,710	10,719	10,741	10,734
1980	10,752	10,771	10,811	10,846	10,799
1981	10,851	10,871	10,906	10,964	10,898
1982	10,995	10,985	11,007	11,040	11,011
1983	11,058	11,089	11,112	11,131	11,098
1984	10,925	10,799	10,801	10,806	10,833
1985	10,816	10,987	11,099	11,162	11,016
1986	11,120	10,927	10,664	10,541	10,813
1987	10,419	10,333	10,277	10,285	10,329
1988	10,286	10,252	10,218	10,208	10,239
Milk production per cow					
			Pounds		
1979	3,617	3,267	3,451	3,611	11,492
1980	3,445	3,165	3,358	3,501	11,891
1981	3,342	3,092	3,296	3,421	12,183
1982	3,315	3,239	3,082	2,974	12,306
1983	3,235	3,011	3,181	3,301	12,585
1984	3,218	3,033	3,226	3,330	12,503
1985	3,216	2,937	3,025	3,151	12,994
1986	3,242	3,492	3,325	3,199	13,260
1987	3,341	3,620	3,458	3,385	13,802
1988	3,519	3,694	3,526	3,471	14,213
Milk production					
			Million pounds		
1979	29,756	32,783	31,062	29,749	123,350
1980	31,207	34,028	32,191	30,980	128,406
1981	32,471	35,161	33,092	32,046	132,770
1982	33,167	35,579	33,927	32,832	135,505
1983	34,179	36,833	34,936	33,724	139,672
1984	33,942	35,589	33,476	32,443	135,450
1985	33,635	37,403	36,685	35,424	143,147
1986	36,052	38,153	35,459	33,716	143,381
1987	34,808	37,405	35,533	34,811	142,557
1988	36,197	37,871	36,025	35,434	145,527

Milk sold to plants, All: Average price per 100 pounds received by farmers, United States, 1979-1988

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
1979	11.90	11.90	11.80	11.60	11.50	11.50
1980	12.80	12.80	12.80	12.70	12.60	12.50
1981	14.10	14.00	13.80	13.70	13.50	13.40
1982	14.00	13.80	13.70	13.50	13.20	13.20
1983	13.90	13.80	13.60	13.60	13.30	13.20
1984	13.60	13.40	13.30	13.10	13.00	12.90
1985	13.90	13.70	13.30	12.90	12.50	12.20
1986	12.50	12.40	12.20	12.10	12.00	11.90
1987	13.20	12.90	12.50	12.20	11.90	11.90
1988	12.50	12.20	11.90	11.60	11.40	11.30

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
1979	11.60	12.00	12.30	12.60	12.90	12.80	12.00
1980	12.60	12.80	13.20	13.70	14.00	14.10	13.05
1981	13.40	13.50	13.70	14.00	14.00	14.00	13.77
1982	13.20	13.30	13.60	13.80	13.90	13.90	13.61
1983	13.20	13.30	13.50	13.80	13.90	13.70	13.58
1984	13.00	13.20	13.60	14.00	14.30	14.00	13.46
1985	12.10	12.10	12.30	12.60	12.60	12.60	12.75
1986	12.00	12.30	12.80	13.20	13.40	13.40	12.50
1987	12.00	12.20	12.60	12.90	12.90	12.70	12.53
1988	11.40	11.80	12.40	13.00	13.40	13.50	12.22

Milk sold to plants, eligible for fluid market: Average price per 100 pounds received by farmers, United States, 1979-1988

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
1979	12.00	12.10	11.90	11.80	11.70	11.60
1980	13.00	13.00	12.90	12.80	12.70	12.70
1981	14.20	14.20	14.00	13.80	13.70	13.60
1982	14.10	14.00	13.80	13.60	13.40	13.30
1983	14.00	14.00	13.80	13.70	13.50	13.30
1984	13.80	13.50	13.40	13.20	13.10	13.00
1985	14.10	13.90	13.50	13.00	12.70	12.30
1986	12.70	12.60	12.40	12.20	12.10	12.00
1987	13.30	13.00	12.70	12.40	12.10	12.00
1988	12.70	12.40	12.00	11.70	11.50	11.40

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
1979	11.80	12.20	12.50	12.80	13.10	13.00	12.20
1980	12.70	13.00	13.40	13.90	14.10	14.30	13.23
1981	13.60	13.70	13.90	14.20	14.20	14.20	13.95
1982	13.40	13.40	13.70	13.90	14.10	14.10	13.80
1983	13.30	13.50	13.70	13.90	14.10	13.90	13.75
1984	13.10	13.30	13.80	14.20	14.40	14.10	13.61
1985	12.30	12.30	12.40	12.70	12.70	12.70	12.90
1986	12.10	12.40	12.90	13.30	13.50	13.50	12.62
1987	12.20	12.40	12.80	13.00	13.00	12.80	12.66
1988	11.50	11.90	12.50	13.00	13.50	13.60	12.34

Milk sold to plants: Average price per 100 pounds received by farmers, by States, 1983-1988

State	All milk sold					
	1983	1984	1985	1986	1987	1988
	Dollars					
Alabama	14.80	14.80	14.50	14.40	14.70	14.20
Alaska	22.60	21.10	19.60	20.10	20.10	20.20
Arizona	13.90	13.80	13.10	12.70	12.80	12.40
Arkansas	14.40	14.20	13.80	13.80	14.20	13.70
California	13.06	12.85	12.18	11.77	11.43	10.94
Colorado	14.90	14.80	14.00	13.50	13.40	13.20
Connecticut	14.40	14.40	13.70	13.40	13.50	13.20
Delaware	14.00	14.00	13.10	12.80	13.20	13.00
Florida	16.50	16.20	16.50	16.20	15.60	15.20
Georgia	14.50	14.60	14.10	13.90	14.20	14.30
Hawaii	20.09	20.06	20.25	19.99	20.30	20.49
Idaho	12.80	12.70	12.10	11.70	11.50	11.20
Illinois	13.50	13.50	12.70	12.50	12.60	12.20
Indiana	13.60	13.50	12.80	12.50	12.70	12.30
Iowa	13.20	13.10	12.20	12.00	12.10	11.80
Kansas	14.00	14.00	13.50	12.80	12.50	12.00
Kentucky	13.50	13.40	12.80	12.60	12.90	12.60
Louisiana	14.60	14.50	14.10	14.00	14.40	13.90
Maine	14.70	14.50	13.70	13.50	13.80	13.40
Maryland	14.00	14.00	13.10	12.90	13.10	13.00
Massachusetts	14.60	14.40	13.70	13.40	13.70	13.30
Michigan	13.60	13.50	12.70	12.60	12.60	12.40
Minnesota	12.94	12.82	12.05	11.85	11.86	11.67
Mississippi	14.20	14.30	13.80	13.60	14.00	13.60
Missouri	13.30	13.20	12.50	12.30	12.40	12.20
Montana	13.30	13.80	13.10	12.70	12.50	12.20
Nebraska	13.30	13.50	12.70	12.30	12.40	11.70
Nevada	13.40	13.50	12.80	12.20	12.50	12.10
New Hampshire	14.50	14.40	13.60	13.40	13.50	13.20
New Jersey	14.00	13.80	13.10	12.80	13.10	13.40
New Mexico	14.70	13.80	13.10	12.70	12.70	12.20
New York	13.70	13.50	12.80	12.60	12.70	12.40
North Carolina	14.80	15.00	14.50	14.00	14.70	14.50
North Dakota	12.50	12.30	11.40	11.30	11.10	10.90
Ohio	13.60	13.50	12.80	12.50	12.70	12.00
Oklahoma	14.00	13.80	13.40	13.20	13.40	12.90
Oregon	13.80	13.50	12.80	12.40	12.40	12.10
Pennsylvania	14.00	13.90	13.10	12.90	13.10	13.10
Rhode Island	14.50	14.40	13.60	13.40	13.60	13.30
South Carolina	15.50	15.60	15.40	15.00	15.20	14.80
South Dakota	12.90	12.70	11.90	11.60	11.70	11.50
Tennessee	13.60	13.70	13.50	13.10	13.40	13.10
Texas	14.50	14.30	13.80	13.60	13.70	13.20
Utah	12.90	12.90	12.00	11.80	11.90	11.60
Vermont	14.20	14.00	13.30	13.10	13.20	12.80
Virginia	13.90	13.90	13.40	13.00	13.50	13.30
Washington	13.30	13.10	12.40	12.10	12.20	12.00
West Virginia	13.60	13.40	12.90	12.40	12.50	12.20
Wisconsin	13.23	13.13	12.27	12.16	12.15	11.97
Wyoming	13.00	13.10	12.60	12.00	11.70	11.50
United States	13.58	13.46	12.75	12.50	12.53	12.22

Milk sold to plants: Average price per 100 pounds received by farmers, by States, 1983-1988

State	Eligible for fluid market					
	1983	1984	1985	1986	1987	1988
	Dollars					
Alabama	14.90	14.90	14.50	14.40	14.70	14.20
Alaska	22.60	21.10	19.60	20.10	20.10	20.20
Arizona	13.90	13.80	13.10	12.70	12.80	12.40
Arkansas	14.60	14.40	13.90	13.90	14.30	13.80
California	13.09	12.88	12.22	11.79	11.45	10.97
Colorado	14.90	14.80	14.00	13.50	13.40	13.20
Connecticut	14.40	14.40	13.70	13.40	13.50	13.20
Delaware	14.00	14.00	13.10	12.80	13.20	13.00
Florida	16.50	16.20	16.50	16.20	15.60	15.20
Georgia	14.50	14.60	14.10	13.90	14.20	14.30
Hawaii	20.09	20.06	20.25	19.99	20.30	20.49
Idaho	13.50	13.10	12.40	11.90	11.70	11.40
Illinois	13.60	13.60	12.80	12.60	12.70	12.30
Indiana	13.90	13.70	13.00	12.70	12.90	12.50
Iowa	13.40	13.30	12.40	12.20	12.30	12.00
Kansas	14.30	14.40	13.80	13.10	12.70	12.10
Kentucky	13.80	13.70	13.10	12.90	13.10	12.80
Louisiana	14.60	14.50	14.10	14.00	14.40	13.90
Maine	14.70	14.50	13.70	13.50	13.80	13.40
Maryland	14.00	14.00	13.10	12.90	13.10	13.00
Massachusetts	14.60	14.40	13.70	13.40	13.70	13.30
Michigan	13.70	13.60	12.70	12.60	12.60	12.40
Minnesota	13.15	13.08	12.24	12.07	12.08	11.89
Mississippi	14.30	14.40	13.90	13.70	14.10	13.70
Missouri	13.50	13.40	12.70	12.50	12.60	12.30
Montana	13.30	13.80	13.20	12.70	12.50	12.20
Nebraska	13.80	14.10	13.20	12.90	12.90	11.90
Nevada	13.40	13.50	12.80	12.20	12.50	12.10
New Hampshire	14.50	14.40	13.60	13.40	13.50	13.20
New Jersey	14.00	13.80	13.10	12.80	13.10	13.40
New Mexico	14.70	13.80	13.10	12.70	12.70	12.20
New York	13.70	13.50	12.80	12.60	12.70	12.40
North Carolina	14.90	15.10	14.60	14.10	14.80	14.60
North Dakota	13.00	12.80	11.90	11.70	11.50	11.20
Ohio	13.70	13.63	12.90	12.60	12.80	12.10
Oklahoma	14.20	14.00	13.60	13.40	13.60	13.00
Oregon	13.80	13.50	12.80	12.40	12.40	12.10
Pennsylvania	14.00	13.90	13.10	12.90	13.10	13.10
Rhode Island	14.50	14.40	13.60	13.40	13.60	13.30
South Carolina	15.50	15.60	15.40	15.00	15.20	14.80
South Dakota	13.50	13.20	12.30	12.10	12.20	11.90
Tennessee	13.90	13.90	13.70	13.30	13.60	13.20
Texas	14.50	14.30	13.80	13.60	13.70	13.20
Utah	13.20	13.20	12.20	12.00	12.10	11.80
Vermont	14.20	14.00	13.30	13.10	13.20	12.80
Virginia	14.00	14.00	13.50	13.10	13.60	13.40
Washington	13.30	13.10	12.40	12.10	12.20	12.00
West Virginia	13.60	13.40	12.90	12.40	12.50	12.20
Wisconsin	13.32	13.24	12.38	12.26	12.28	12.10
Wyoming	14.00	14.00	13.20	12.50	12.40	11.80
United States	13.75	13.61	12.90	12.62	12.66	12.34

Milk cows: Prices received by farmers, quarterly, by States, 1987, and 1988 1/

State	January 1987	January 1988	April 1987	April 1988	July 1987	July 1988	October 1987	October 1988
	Dollars per head							
Ala	910	1,020	920	1,040	970	1,020	1,010	1,020
Ark	850	980	910	1,030	960	940	1,010	960
Calif	1,050	1,170	1,090	1,210	1,120	1,180	1,160	1,170
Colo	920	1,080	980	1,080	1,020	1,070	1,100	1,020
Fla	920	1,050	930	1,060	930	1,060	1,020	1,100
Ga	890	1,010	910	1,060	965	1,030	1,020	1,060
Idaho	870	1,050	990	1,080	990	1,060	1,070	1,040
Ill	840	990	930	1,060	970	990	990	1,010
Ind	850	960	900	990	890	910	930	940
Iowa	820	930	920	970	930	890	910	920
Kans	870	1,000	960	1,020	960	1,010	980	1,020
Ky	770	880	830	890	880	870	880	910
La	860	990	880	1,010	940	995	1,000	1,000
Md	890	1,000	950	1,050	950	1,030	1,000	1,010
Mich	850	980	920	1,030	950	970	950	970
Minn	760	900	850	950	850	870	870	890
Miss	820	930	870	950	900	950	900	950
Mo	810	920	840	940	900	880	950	940
Nebr	800	910	910	990	900	970	930	960
N Y	790	880	830	920	860	930	870	900
N C	910	1,050	960	1,100	1,020	1,100	1,000	1,070
N D	700	850	770	890	800	790	850	835
Ohio	850	1,000	940	1,040	950	900	950	1,000
Okla	860	950	960	960	950	950	940	980
Oreg	850	1,010	950	1,050	980	1,090	1,020	1,080
Pa	880	990	940	1,040	930	1,030	960	1,020
Tenn	780	890	850	890	840	850	860	850
Tex	950	1,100	1,000	1,120	1,000	1,070	1,060	1,070
Utah	810	980	900	1,050	900	1,030	980	1,000
Vt	810	820	790	880	890	910	860	880
Va	850	920	890	980	920	990	920	940
Wash	1,020	1,100	1,080	1,210	1,090	1,190	1,100	1,140
Wis	820	910	890	1,000	910	915	900	910
United States (50 States)	855	970	920	1,020	940	975	955	980

1/ Dairy cows sold for dairy herd replacement.

Milk cows: Prices received by farmers, quarterly, United States, 1983-88 1/

Year	Jan	Apr	Jul	Oct
	Dollars per head			
1983	1,050	1,060	1,060	960
1984	870	910	910	890
1985	875	890	865	815
1986	800	810	835	840
1987	855	920	940	955
1988	970	1,020	975	980

1/ Dairy cows sold for dairy herd replacement.

Dairy production: Utilization and cash receipts, by selected States, 1988

State	Combined marketings of milk and cream			Used for milk, cream and butter on farms where produced	
	Milk used	Average 1/ returns per 100 lbs milk	Cash receipts	Milk used	Value 2/
	Million pounds	Dollars	1,000 dollars	Million pounds	1,000 dollars
Alabama	520	14.20	73,840	1	142
Arizona	1,490	12.40	184,760	2	248
Arkansas	765	13.70	104,805	7	959
California	18,278	10.94	1,999,613	9	1,006
Colorado	1,155	13.20	152,460	8	1,085
Connecticut	515	13.20	67,980	2	273
Florida	2,340	15.20	355,680	3	456
Georgia	1,230	14.30	175,890	2	286
Idaho	2,580	11.20	288,960	7	784
Illinois	2,771	12.20	338,062	6	732
Indiana	2,367	12.30	291,141	10	1,230
Iowa	3,640	11.80	429,520	40	4,720
Kansas	1,248	12.00	149,760	5	600
Kentucky	2,231	12.60	281,106	45	5,670
Louisiana	910	13.90	126,490	12	1,668
Maine	629	13.60	85,550	4	544
Maryland	1,428	13.00	185,640	4	520
Massachusetts	455	13.80	62,778	2	276
Michigan	5,153	12.43	640,686	15	1,865
Minnesota	10,235	11.67	1,194,425	27	3,151
Mississippi	786	13.69	107,615	5	685
Missouri	2,940	12.20	358,680	15	1,830
Nebraska	1,330	11.70	155,610	10	1,170
New York	11,202	12.44	1,393,266	64	7,960
North Carolina	1,515	14.50	219,675	29	4,205
North Dakota	1,021	10.90	111,289	5	545
Ohio	4,799	12.06	578,563	15	1,808
Oklahoma	1,150	12.90	148,350	13	1,677
Oregon	1,463	12.43	181,880	10	1,243
Pennsylvania	10,090	13.32	1,343,715	40	5,327
South Carolina	467	15.22	67,340	5	761
South Dakota	1,735	11.50	199,525	7	805
Tennessee	2,024	13.15	266,100	35	4,602
Texas	4,835	13.30	643,248	5	665
Utah	1,143	11.93	136,397	4	477
Vermont	2,353	12.82	300,800	10	1,282
Virginia	1,978	13.30	263,074	6	798
Washington	3,942	12.50	492,850	4	500
Wisconsin	25,044	11.97	2,998,249	102	12,211
United States (50 States)	143,292	12.33	17,669,043	621	78,075

1/ Cash receipts divided by milk or milk fat represented in combined marketings. 2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

Manufactured dairy products: Production of specified products, United States, 1986-1988

Products	1986	1987	1988	1988 as percent of 1987
	1,000 pounds			
Butter	1,202,392	1,104,135	1,207,540	109
Cheese:				
American:				
Cheddar	2,241,624	2,284,836	2,279,164	100
Other American types 1/	556,536	431,823	477,413	111
Part skim	2,051	858	1,050	122
Swiss	227,340	227,241	250,111	110
Munster	88,488	92,629	82,947	90
Brick	20,387	28,939	24,946	86
All Italian types	1,248,692	1,364,588	1,472,582	108
Cream	315,282	330,135	359,163	109
Neufchatel	6,222	12,095	16,645	138
Blue 2/	34,198	35,863	37,789	105
All other types 3/	82,097	99,108	104,302	105
Total 4/	5,209,252	5,344,364	5,571,623	104
Cottage Cheese:				
Curd 5/	600,122	573,778	556,660	97
Creamed 6/	704,819	674,805	647,083	96
Lowfat 7/	265,475	270,528	290,854	108
Canned Milk:				
Evaporated and condensed whole	584,426	579,722	588,686	102
evaporated skim milk	17,673	16,966	22,030	130
Bulk condensed milk:				
Whole				
Sweetened	72,803	78,728	73,946	94
Unsweetened	276,530	292,219	265,119	91
Skim				
Sweetened	55,416	57,541	58,530	102
Unsweetened	957,039	954,683	961,555	101
Condensed or evaporated buttermilk	41,549	51,908	79,917	154
Dry milk:				
Dry whole milk	122,366	145,861	172,329	118
Nonfat dry milk for human food	1,284,143	1,056,797	978,483	93
Dry skim milk for animal feed	9,718	19,823	18,744	95
Dry buttermilk	65,677	55,627	58,692	106
Whey and whey products:				
Condensed whey, solids content 8/	117,860	73,354	62,125	85
Dry whey	1,031,033	1,097,349	1,136,987	104
Milk sugar and lactose	135,181	151,522	161,296	107

1/ Includes colby, washed or stirred curd, monterey and jack.
2/ Includes gorgonzola.
3/ Includes full-skim.
4/ Excludes cottage cheese.
5/ Mostly used for processing into creamed or lowfat cottage cheese.
6/ Milk fat content 4.0 percent or more.
7/ Milk fat content less than 4.0 percent, mostly 0.5 to 2.0 percent.
8/ Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products.

Manufactured dairy products: Production of specified products, United States, 1979-1988

Year	Ice cream	Ice milk 1/	Milk sherbet	Total frozen products 2/
	Thousand gallons			
1979	811,079	296,653	45,124	1,152,856
1980	829,798	293,384	45,187	1,168,369
1981	832,450	290,992	45,732	1,169,174
1982	852,072	280,559	45,575	1,178,206
1983	881,543	294,913	47,732	1,224,188
1984	894,468	299,825	47,488	1,241,781
1985	901,449	301,312	48,206	1,250,967
1986	923,597	314,673	49,679	1,287,949
1987	928,356	327,561	49,998	1,305,915
1988	881,522	354,246	52,155	1,287,923

1/ Includes freezer-made milkshake.
2/ Excludes "Mellorine-type" desserts and other minor frozen dairy products.

Dairy products: Whole and skim milk equivalents used in dairy products and cottage cheese produced in United States, 1979-1988

Year	Whole milk equiv. in manufactured dairy products	Skim milk equiv. used in specified skim milk & buttermilk products	Cottage cheese: Curd	Cottage cheese: Creamed 1/	Cottage cheese: Low fat 2/
	Million pounds		Thousand pounds		
1979	67,504	17,070	668,546	839,735	158,383
1980	73,327	19,847	667,433	824,546	179,836
1981	77,916	21,374	647,541	773,321	208,333
1982	80,583	22,125	628,949	748,869	217,572
1983	83,991	23,365	618,162	742,506	215,941
1984	77,291	19,774	606,219	736,061	299,331
1985	83,538	22,538	598,845	715,581	244,390
1986	83,226	21,921	600,122	704,819	265,475
1987	81,945	19,314	573,778	674,805	270,528
1988	84,775	18,460	556,660	647,083	290,854

1/ Milk fat content not less than 4.0 percent.
2/ Milk fat content less than 4.0 percent, mostly 0.5 to 2.0 percent.

Dairy products: Per capita consumption, primary distribution weight, United States, 1965-1988 1/

Year	Fluid milk and cream 2/	Cheese 3/	Butter	Ice cream (product weight)
		Pounds		
1965	292	9.6	6.4	18.5
1966	291	9.7	5.8	18.3
1967	282	10.0	5.5	18.0
1968	281	10.5	5.9	18.5
1969	279	10.8	5.6	18.1
1970	275	11.4	5.4	17.8
1971	276	12.0	5.2	17.7
1972	274	13.0	5.0	17.6
1973	269	13.5	4.8	17.5
1974	260	14.4	4.5	17.5
1975	261	14.3	4.7	18.6
1976	261	15.5	4.3	18.0
1977	258	16.0	4.3	17.7
1978	255	16.9	4.4	17.6
1979	252	17.1	4.5	17.3
1980	246	17.5	4.5	17.5
1981	241	18.2	4.2	17.4
1982	236	19.9	4.3	17.6
1983	236	20.5	4.9	18.0
1984	236	21.4	4.9	18.1
1985	239	22.4	4.9	18.1
1986	239	23.0	4.6	18.4
1987	239	23.9	4.6	18.3
1988	238	23.6	4.4	17.8

1/ 1965-86 revised. Includes civilian and military consumption. 1988 preliminary. 2/ Whole milk equivalent. 3/ Whole and part skim milk cheese; excludes cottage, pot, and baker's cheese.