FLORIDA AGRICULTURAL STATISTICS

DAIRY SUMMARY

FLORIDA DEPARTMENT OF AGRICULTURE
AND CONSUMER SERVICES
DOYLE CONNER, COMMISSIONER
TALLAHASSEE, FLORIDA

Florida Agricultural
Statistics Service

Robert L. Freie, State Statistician
Orlando, Florida

Division of Marketing

H. Vance Young, Jr. Ph.D., Director
Tallahassee, Florida

Cooperating with

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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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For Information Call (407) 648-6024

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DAIRY SUMMARY

Florida dairies produced a record high 2,447 million pounds of milk in 1989. This was 97 million pounds greater than the previous record of 2,350 million pounds in 1988. Production per cow was 13,519 pounds, a new record which exceeded the previous high of 12,912 pounds in 1988.

An average of 181,000 milk cows were on Florida farms and commercial dairies in 1989. This was down 1,000 from the 1988 average. Compared to other States, Florida ranked 15th in average number of milk cows and 14th in total milk production.

Cash receipts from marketings of Florida milk in 1989 totaled $387,960,000, more than $32 million above the 1988 total.

Total United States milk production was 144,252 million pounds in 1989, almost a million pounds less than the 1988 production of 145,152 million pounds. During 1989, the number of milk cows on U.S. farms and dairies averaged 10,124,000, down from the average of 10,262,000 in 1988. Annual average milk production per cow was 14,244 pounds, slightly higher than last year's record of 14,145 pounds.

Nationwide, cash receipts from marketings of milk during 1989 totaled $19,403 million, an increase of almost 10 percent from the 1988 total of $17,669 million. Average price per cwt was $13.65, compared with $12.33 in 1988.

Cash receipts from livestock marketings: Florida, 1980-1989 1/

Year	Cattle and calves	Hogs	Milk	Chickens and eggs 2/	Total 3/ livestock and products	Percent of total farm cash receipts
	Thousand dollars					
1980	347,173	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	233,537	1,078,395	23
1984	373,133	27,088	304,398	284,375	1,098,633	23
1985	334,247	17,950	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
1989	376,744	19,010	387,960	306,814	1,182,052	22

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 heifers: Number on farms and number kept for milk as percent of total, January 1, 1981-1990

Year	Cows and heifers that have calved: Total	Beef	Milk	Milk as percent of total	Heifers 500 pounds and over: Total	Beef	Milk	Milk as percent of total
	1,000 head				1,000 head			
1981	1,520	1,333	187	12.3	240	201	39	16.3
1982	1,410	1,220	190	13.5	289	244	45	15.6
1983	1,420	1,230	190	13.4	293	248	45	15.4
1984	1,410	1,220	190	13.5	286	241	45	15.7
1985	1,325	1,161	164	12.4	263	219	44	16.7
1986	1,320	1,135	185	14.0	252	216	36	14.3
1987	1,370	1,192	178	13.0	240	205	35	14.6
1988	1,265	1,086	179	14.2	205	175	30	14.6
1989	1,300	1,118	182	14.0	180	140	40	22.2
1990	1,265	1,083	182	14.4	170	135	35	20.6

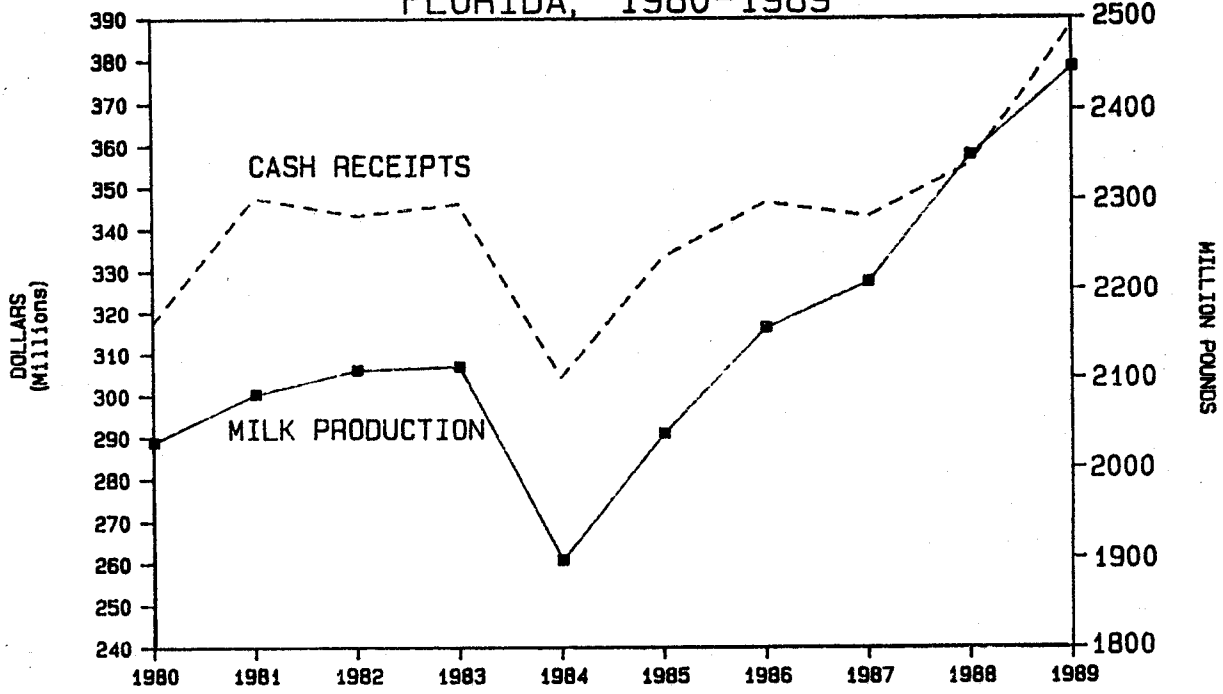
Milk: Production, utilization, milkfat and cash receipts, Florida 1980-1989

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
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
1989	2,447	7	2,440	3.51	387,960

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.

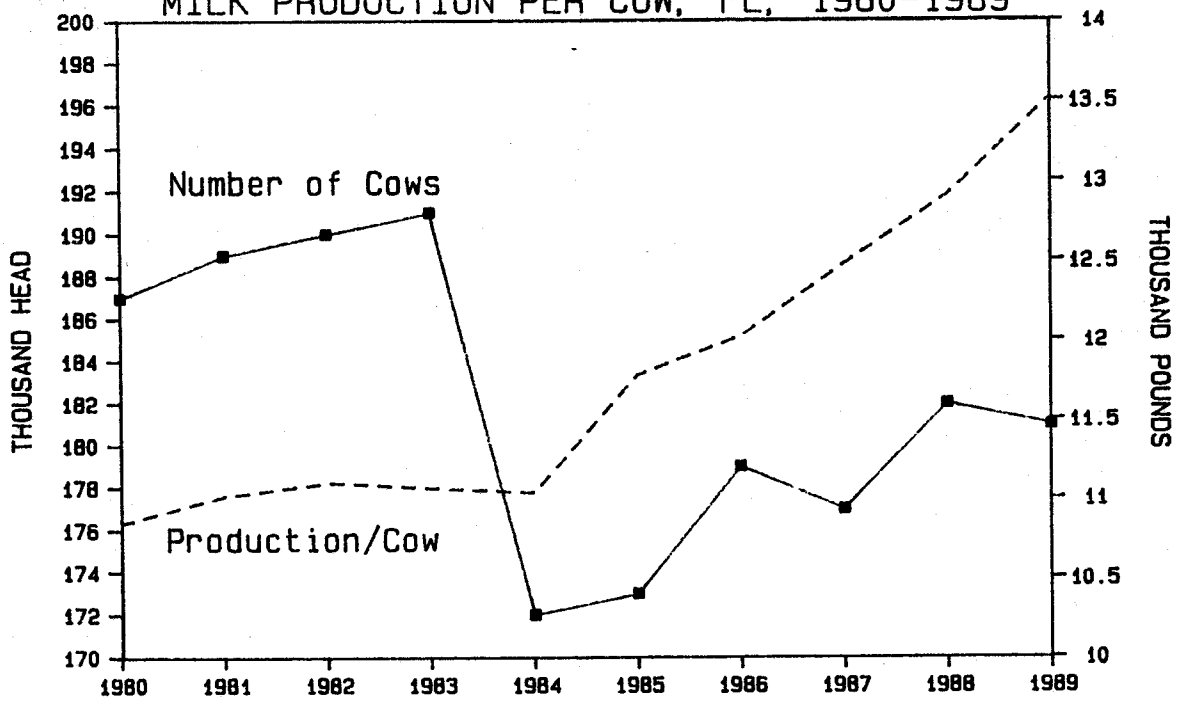
CASH RECEIPTS AND ANNUAL MILK PRODUCTION

FLORIDA, 1980-1989



NUMBER OF MILK COWS IN HERD AND ANNUAL

MILK PRODUCTION PER COW, FL, 1980-1989



Milk cows and production: Number on farms and milk production, by months, Florida, 1980-1989

Year	Jan	Feb	Mar	Apr	May	Jun
Milk cows						
			Thousands			
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
1989	182	182	182	182	182	180
Milk production per cow						
			Pounds			
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
1989	1,265	1,180	1,320	1,260	1,235	1,100
Milk production						
			Million pounds			
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
1989	230	215	240	229	225	198

See footnote at end of table.

Continued

Milk cows and production: Number on farms and milk production, by months, Florida, 1980-1989 (continued)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Milk cows							
				Thousands			
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
1989	178	178	177	178	183	182	181
Milk production per cow							
				Pounds			
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	955	1,070	12,050
1987	965	870	840	940	990	1,135	12,480
1988	980	930	895	990	1,030	1,160	12,912
1989	1,035	980	940	1,010	1,050	1,175	13,519
Milk production							
				Million pounds			
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
1989	184	174	166	180	192	214	2,447

1/ From April-December, 1982, only quarterly estimates were made.

COUNTY SUMMARY

Okeechobee, with 624 million pounds of milk, was by far the leading milk producing county in 1989, with Lafayette County a distant second with 142 million pounds. Four other counties produced more than 100 million pounds of milk in 1989: Highlands County, 128 million pounds; Clay County, 122 million pounds; Gilchrist County, 106 million pounds; and Hillsborough County, 105 million pounds.

Many changes have occurred during the last 15 years. In 1975, Okeechobee County was also the leading milk producing county with 309.2 million pounds, accounting for just under half of the milk produced in the Southeasten Milk Marketing Order area. In 1989, Okeechobee County produced three-fourths of this area's production, more than offsetting decreases in Palm Beach, Broward, Dade, and Hendry counties. Commercial milk production in the Southeastern area increased 32 percent from 1975 to 1989 and accounted for 34 percent of the State's commercial production in 1989, relatively unchanged from the 33 percent in 1975.

Commercial milk production in the Tampa Bay Milk Marketing Order increased by only 1 percent from 1975 to 1989. Hillsborough County marked a 91 million pound decrease in production from 1975 to 1989 which nearly offset increases of other surrounding counties. This area's share of the State's commercial production fell from 30 percent in 1975 to 24 percent in 1989.

The Upper Florida Milk Marketing counties produced 48 percent more milk in 1989 compared to 1975. The counties in this area produced 41 percent of the State's commercial milk in 1989 compared to 35 percent in 1975. Increased milk production, especially in Lafayette, Gilchrist, and Suwannee counties, more than offset decreases in Duval, central and east coast counties. Lafayette and Suwannee counties increased production by over 150 million pounds during the 15 year period.

Florida Milk Production: Inventory of commerical milk cows and milk production by counties and non-commercial milk cows and milk production

County	Jan. 1, 1990 milk cows	1989 annual milk production	County	Jan. 1, 1990 milk cows	1989 annual milk production
	Number	1,000 pounds		Number	1,000 pounds
Alachua	5,500	73,500	Lake	3,000	35,200
Broward	3,300	33,000	Manatee	5,700	88,400
Clay	9,200	122,000	Marion	3,400	44,500
Columbia	700	10,100	Martin	3,000	47,800
Duval	4,300	61,600	Nassau	4,500	82,000
Escambia	2,400	32,500	Okeechobee	45,000	624,000
Gilchrist	7,500	106,000	Pasco	5,400	80,900
Hardee	6,200	72,700	Polk	3,700	43,500
Hernando	3,000	48,100	Suwannee	5,500	63,500
Highlands	9,700	128,000	Washington	1,800	17,800
Hillsborough	8,500	105,000	Other counties 1/	21,000	270,000
Holmes	1,600	22,700	Total commercial dairies	180,800	2,440,000
Jackson	2,900	40,700	Non-commercial 2/	1,200	7,000
Jefferson	3,000	44,500	Total	182,000	2,447,000
Lafayette	11,000	142,000			

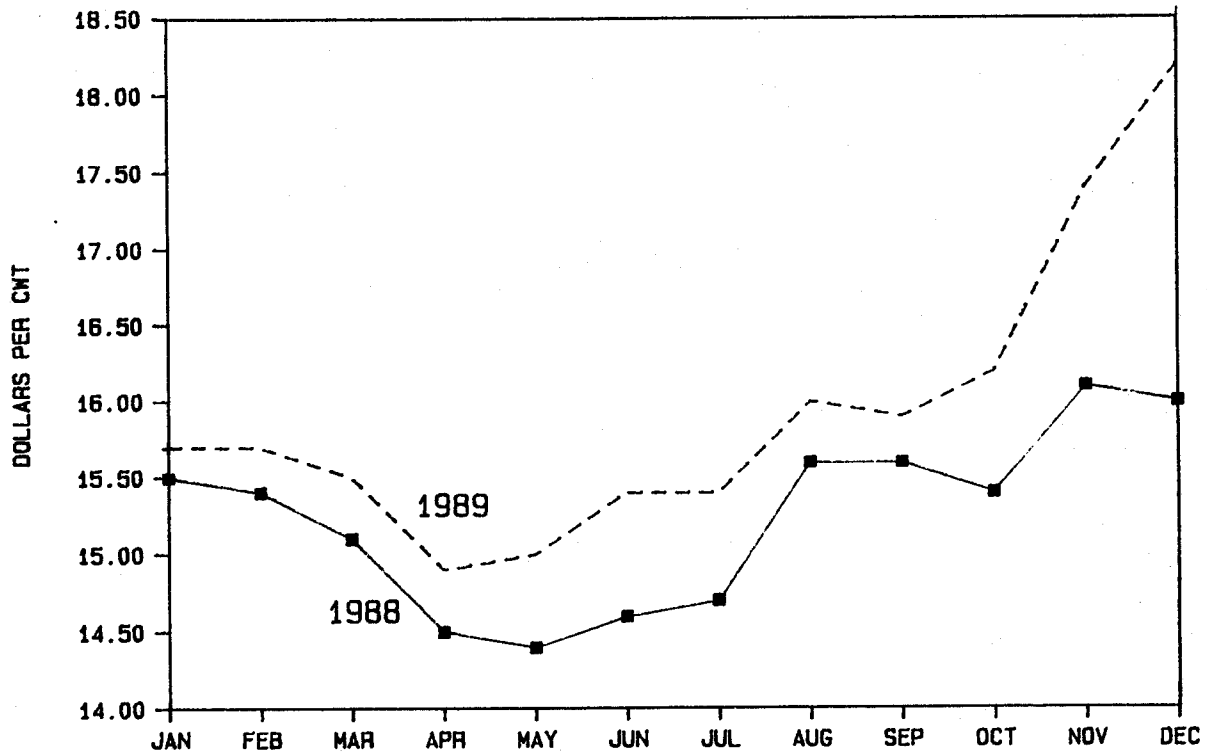
1/ Other counties combined to avoid disclosing individual operations include: Baker, Bradford, Brevard, Calhoun, Charlotte, DeSoto, Dixie, Glades, Hamilton, Indian River, Leon, Levy, Orange, Osceola, Palm Beach, Putnam, St. Lucie, Santa Rosa, Sarasota, Sumter, and Volusia. 2/ Non-commercial production used on farms where produced.

Milk sold to plants, eligible for fluid market: Average price per 100 pounds received by farmers, Florida, 1980-1989

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
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
1989	15.70	15.70	15.50	14.90	15.00	15.40

	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
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
1989	15.40	16.00	15.90	16.20	17.40	18.20	15.90

FLORIDA MILK PRICES, 1988-1989



Dairy products: Production of specified manufactured products and whole milk equivalents used in dairy products produced in Florida, 1980-1989

Year	Ice cream	Ice milk 1/	Milk sherbet	Total frozen products 2/	Whole milk equiv. in manufactured dairy products
	Thousand gallons				Thousand pounds
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
1989	28,133	18,332	2,685	49,150	410,386

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

Inshipments: Raw milk, Florida

Month	1984	1985	1986	1987	1988	1989	1990
	Thousand pounds						
January	41,630	53,954	39,036	44,760	35,578	33,776	36,211
February	39,851	48,410	35,607	37,121	31,645	31,323	23,361
March	42,675	53,002	38,885	39,456	35,511	33,774	29,711
April	40,982	37,992	33,519	32,802	32,483	31,143	26,629
May	40,180	43,715	33,494	32,678	31,928	31,161	26,899
June	42,052	39,901	34,181	42,547	34,299	32,987	
July	51,594	40,150	43,206	42,691	47,233	52,156	
August	63,574	47,781	52,007	48,343	58,400	63,502	
September	62,001	57,968	67,757	79,052	65,242	65,447	
October	65,602	62,298	64,930	55,482	57,481	69,865	
November	64,797	45,581	53,158	47,434	54,629	52,427	
December	52,399	42,375	47,504	34,155	36,096	34,561	
Total	607,338	573,128	543,285	536,521	520,525	532,122	

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, 1985-1989

State	1985	1986	1987	1988	1989
	Number of head				
Alabama	1,999	2,243	1,680	1,606	1,511
Georgia	2,658	1,430	1,360	1,246	1,590
Illinois	298	464	351	117	38
Indiana	985	1,499	916	1,223	1,677
Iowa	454	216	76	--	1,312
Kentucky	5,996	4,805	3,227	1,980	1,963
Minnesota	517	107	260	232	251
Mississippi	2,544	2,976	2,780	2,138	2,216
Missouri	215	24	230	39	317
New York	8,594	6,003	7,853	6,518	5,649
North Carolina	2,385	1,163	680	825	955
Ohio	545	403	300	457	568
Pennsylvania	1,205	1,328	2,571	2,870	2,356
South Carolina	873	668	1,066	669	1,176
Tennessee	6,811	5,008	3,952	4,833	5,047
Virginia	1,834	2,488	3,233	3,153	3,865
Wisconsin	1,728	1,307	1,435	1,199	1,129
Other	2,390	2,851	2,887	2,612	4,577
Total	42,031	34,983	34,857	31,717	36,197

Cows and heifer calves kept for milk: Number on farms, by classes, United States, January 1 and July 1, 1981-1990

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			
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	10,311	4,122	10,250	4,400
1989	10,212	4,205	10,100	4,500
1990	10,149	4,291	10,100	4,300

Milk: Production and utilization, milk and milkfat, United States, 1980-1989

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			
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	139,588	5,102	3.66	839	1,520	136,014	1,214
1984	135,351	4,960	3.66	802	2,129	131,280	1,140
1985	143,012	5,244	3.67	709	1,745	139,307	1,251
1986	143,124	5,249	3.67	674	1,714	139,559	1,175
1987	142,709	5,213	3.65	659	1,599	139,253	1,197
1988	145,152	5,333	3.67	623	1,620	141,775	1,134
1989	144,252	5,315	3.68	579	1,519	141,065	1,069

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, 1989

State	Milk cows 1/	Production 2/ Per milk cow	Production 2/ Total milk	Milkfat in milk
	Thousands	Pounds	Million pounds	Percent
Alabama	43	12,163	523	3.65
Arizona	91	16,736	1,523	3.68
Arkansas	68	11,676	794	3.56
California	1,104	17,530	19,353	3.66
Colorado	76	16,803	1,277	3.69
Connecticut	34	15,412	524	3.71
Florida	181	13,519	2,447	3.51
Georgia	107	12,178	1,303	3.65
Idaho	171	15,608	2,669	3.67
Illinois	197	13,924	2,743	3.69
Indiana	162	13,772	2,231	3.73
Iowa	309	13,599	4,202	3.63
Kansas	99	12,636	1,251	3.67
Kentucky	212	10,684	2,265	3.68
Louisiana	86	11,047	950	3.56
Maine	43	14,163	609	3.81
Maryland	104	13,240	1,377	3.70
Massachusetts	31	14,387	446	3.78
Michigan	345	14,933	5,152	3.68
Minnesota	734	13,771	10,108	3.66
Mississippi	65	11,800	767	3.64
Missouri	228	13,048	2,975	3.68
Nebraska	105	12,952	1,360	3.68
New York	776	14,358	11,142	3.71
North Carolina	104	14,740	1,533	3.71
North Dakota	86	11,977	1,030	3.67
Ohio	350	13,014	4,555	3.70
Oklahoma	100	12,320	1,232	3.65
Oregon	95	15,884	1,509	3.72
Pennsylvania	698	14,324	9,998	3.69
South Carolina	37	12,514	463	3.85
South Dakota	143	12,056	1,724	3.65
Tennessee	196	11,184	2,192	3.68
Texas	386	13,394	5,170	3.60
Utah	76	15,395	1,170	3.61
Vermont	163	14,301	2,331	3.78
Virginia	143	13,923	1,991	3.67
Washington	225	18,209	4,097	3.71
Wisconsin	1,739	13,801	24,000	3.75
United States (50 States)	10,127	14,244	144,252	3.68

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, 1980-1989

Year	Mar	Jun	Sep	Dec	Annual average
Milk cows					
			Thousands		
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	11,029	11,052	11,073	11,131	11,059
1984	10,881	10,758	10,761	10,772	10,793
1985	10,790	10,943	11,064	11,127	10,981
1986	11,056	10,877	10,642	10,516	10,773
1987	10,408	10,335	10,276	10,290	10,327
1988	10,300	10,274	10,245	10,229	10,262
1989	10,164	10,116	10,101	10,127	10,127
Milk production per cow					
			Pounds		
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	12,622
1984	3,218	3,033	3,226	3,330	12,541
1985	3,216	2,937	3,025	3,151	13,024
1986	3,242	3,492	3,325	3,199	13,285
1987	3,341	3,620	3,458	3,385	13,819
1988	3,519	3,694	3,526	3,471	14,145
1989	3,586	3,727	3,484	3,448	14,244
Milk production					
			Million pounds		
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	34,151	36,822	34,914	33,701	139,588
1984	33,921	35,574	33,444	32,412	135,351
1985	33,625	37,401	36,639	35,347	143,012
1986	35,961	38,123	35,380	33,660	143,124
1987	34,821	37,447	35,579	34,862	142,709
1988	36,130	37,840	35,920	35,262	145,152
1989	36,445	37,702	35,188	34,917	144,252

Milk sold to plants, All: Average price per 100 pounds received by farmers, United States, 1980-1989

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
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
1989	13.50	13.20	12.70	12.40	12.30	12.40

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
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	12.50	13.00	13.40	13.60	12.22
1989	12.60	13.20	14.00	14.80	15.60	16.00	13.56

Milk sold to plants, eligible for fluid market: Average price per 100 pounds received by farmers, United States, 1980-1989

Year	Jan	Feb	Mar	Apr	May	Jun
			Dollars			
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	12.10	11.70	11.50	11.40
1989	13.60	13.40	12.90	12.50	12.40	12.50

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
				Dollars			
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	12.00	12.60	13.10	13.50	13.70	12.35
1989	12.70	13.30	14.10	14.90	15.60	16.10	13.67

Milk sold to plants: Average price per 100 pounds received by farmers, by States, 1984-1989

State	All milk sold					
	1984	1985	1986	1987	1988	1989
	Dollars					
Alabama	14.80	14.50	14.40	14.70	14.20	14.90
Alaska	21.10	19.60	20.10	20.10	20.20	20.20
Arizona	13.80	13.10	12.70	12.80	12.40	13.60
Arkansas	14.20	13.80	13.80	14.20	13.70	14.60
California	12.85	12.18	11.77	11.43	10.94	12.37
Colorado	14.80	14.00	13.50	13.40	13.20	14.70
Connecticut	14.40	13.70	13.40	13.50	13.20	14.30
Delaware	14.00	13.10	12.80	13.20	13.00	14.50
Florida	16.20	16.50	16.20	15.60	15.20	15.90
Georgia	14.60	14.10	13.90	14.20	14.30	15.10
Hawaii	20.06	20.25	19.99	20.30	20.49	20.90
Idaho	12.70	12.10	11.70	11.50	11.20	12.30
Illinois	13.50	12.70	12.50	12.60	12.20	13.60
Indiana	13.50	12.80	12.50	12.70	12.30	13.50
Iowa	13.10	12.20	12.00	12.10	11.80	13.20
Kansas	14.00	13.50	12.80	12.50	12.00	13.20
Kentucky	13.40	12.80	12.60	12.90	12.60	13.60
Louisiana	14.50	14.10	14.00	14.40	13.90	14.60
Maine	14.50	13.70	13.50	13.80	13.40	14.60
Maryland	14.00	13.10	12.90	13.10	13.00	14.50
Massachusetts	14.40	13.70	13.40	13.70	13.30	14.50
Michigan	13.50	12.70	12.60	12.60	12.40	13.60
Minnesota	12.82	12.05	11.85	11.86	11.67	13.08
Mississippi	14.30	13.80	13.60	14.00	13.60	14.30
Missouri	13.20	12.50	12.30	12.40	12.20	13.30
Montana	13.80	13.10	12.70	12.50	12.20	13.50
Nebraska	13.50	12.70	12.30	12.40	11.70	13.00
Nevada	13.50	12.80	12.20	12.50	12.10	13.10
New Hampshire	14.40	13.60	13.40	13.50	13.20	14.40
New Jersey	13.80	13.10	12.80	13.10	13.40	15.10
New Mexico	13.80	13.10	12.70	12.70	12.20	13.30
New York	13.50	12.80	12.60	12.70	12.60	14.20
North Carolina	15.00	14.50	14.00	14.70	14.50	15.10
North Dakota	12.30	11.40	11.30	11.10	10.90	12.20
Ohio	13.50	12.80	12.50	12.70	12.00	13.40
Oklahoma	13.80	13.40	13.20	13.40	12.90	14.00
Oregon	13.50	12.80	12.40	12.40	12.10	13.30
Pennsylvania	13.90	13.10	12.90	13.10	13.10	14.50
Rhode Island	14.40	13.60	13.40	13.60	13.30	14.40
South Carolina	15.60	15.40	15.00	15.20	14.80	15.40
South Dakota	12.70	11.90	11.60	11.70	11.50	12.90
Tennessee	13.70	13.50	13.10	13.40	13.10	13.80
Texas	14.30	13.80	13.60	13.70	13.20	14.30
Utah	12.90	12.00	11.80	11.90	11.60	12.60
Vermont	14.00	13.30	13.10	13.20	12.80	14.10
Virginia	13.90	13.40	13.00	13.50	13.30	14.20
Washington	13.10	12.40	12.10	12.20	12.00	13.30
West Virginia	13.40	12.90	12.40	12.50	12.20	13.50
Wisconsin	13.13	12.27	12.16	12.15	11.97	13.45
Wyoming	13.10	12.60	12.00	11.70	11.50	12.40
United States	13.46	12.76	12.51	12.54	12.26	13.56

Milk sold to plants: Average price per 100 pounds received by farmers, by States, 1984-1989

State	Eligible for fluid market					
	1984	1985	1986	1987	1988	1989
	Dollars					
Alabama	14.90	14.50	14.40	14.70	14.20	15.00
Alaska	21.10	19.60	20.10	20.10	20.20	20.20
Arizona	13.80	13.10	12.70	12.80	12.40	13.60
Arkansas	14.40	13.90	13.90	14.30	13.80	14.70
California	12.88	12.22	11.79	11.45	10.97	12.39
Colorado	14.80	14.00	13.50	13.40	13.20	14.70
Connecticut	14.40	13.70	13.40	13.50	13.20	14.30
Delaware	14.00	13.10	12.80	13.20	13.00	14.50
Florida	16.20	16.50	16.20	15.60	15.20	15.90
Georgia	14.60	14.10	13.90	14.20	14.30	15.10
Hawaii	20.06	20.25	19.99	20.30	20.49	20.90
Idaho	13.10	12.40	11.90	11.70	11.40	12.50
Illinois	13.60	12.80	12.60	12.70	12.30	13.70
Indiana	13.70	13.00	12.70	12.90	12.50	13.60
Iowa	13.30	12.40	12.20	12.30	12.00	13.50
Kansas	14.40	13.80	13.10	12.70	12.10	13.40
Kentucky	13.70	13.10	12.90	13.10	12.80	13.90
Louisiana	14.50	14.10	14.00	14.40	13.90	14.60
Maine	14.50	13.70	13.50	13.80	13.40	14.60
Maryland	14.00	13.10	12.90	13.10	13.00	14.50
Massachusetts	14.40	13.70	13.40	13.70	13.30	14.50
Michigan	13.60	12.70	12.60	12.60	12.40	13.60
Minnesota	13.08	12.24	12.07	12.08	11.89	13.32
Mississippi	14.40	13.90	13.70	14.10	13.70	14.40
Missouri	13.40	12.70	12.50	12.60	12.30	13.50
Montana	13.80	13.20	12.70	12.50	12.20	13.50
Nebraska	14.10	13.20	12.90	12.90	11.90	13.20
Nevada	13.50	12.80	12.20	12.50	12.10	13.10
New Hampshire	14.40	13.60	13.40	13.50	13.20	14.40
New Jersey	13.80	13.10	12.80	13.10	13.40	15.10
New Mexico	13.80	13.10	12.70	12.70	12.20	13.30
New York	13.50	12.80	12.60	12.70	12.60	14.20
North Carolina	15.10	14.60	14.10	14.80	14.60	15.20
North Dakota	12.80	11.90	11.70	11.50	11.20	12.60
Ohio	13.63	12.90	12.60	12.80	12.10	13.50
Oklahoma	14.00	13.60	13.40	13.60	13.00	14.10
Oregon	13.50	12.80	12.40	12.40	12.10	13.30
Pennsylvania	13.90	13.10	12.90	13.10	13.10	14.50
Rhode Island	14.40	13.60	13.40	13.60	13.30	14.40
South Carolina	15.60	15.40	15.00	15.20	14.80	15.40
South Dakota	13.20	12.30	12.10	12.20	11.90	13.30
Tennessee	13.90	13.70	13.30	13.60	13.20	14.00
Texas	14.30	13.80	13.60	13.70	13.20	14.30
Utah	13.20	12.20	12.00	12.10	11.80	12.80
Vermont	14.00	13.30	13.10	13.20	12.80	14.10
Virginia	14.00	13.50	13.10	13.60	13.40	14.30
Washington	13.10	12.40	12.10	12.20	12.00	13.30
West Virginia	13.40	12.90	12.40	12.50	12.20	13.50
Wisconsin	13.24	12.38	12.26	12.28	12.10	13.58
Wyoming	14.00	13.20	12.50	12.40	11.80	12.70
United States	13.61	12.90	12.62	12.66	12.36	13.66

Milk cows: Prices received by farmers, quarterly, by States, 1988 and 1989 1/

State	January 1988	January 1989	April 1988	April 1989	July 1988	July 1989	October 1988	October 1989
	Dollars per head							
Ala	1,020	1,060	1,040	1,090	1,020	1,080	1,020	1,090
Ark	980	990	1,030	1,020	940	1,020	960	1,030
Calif	1,170	1,210	1,210	1,200	1,180	1,190	1,170	1,210
Colo	1,080	1,030	1,080	1,100	1,070	1,100	1,020	1,100
Fla	1,050	1,080	1,060	1,080	1,060	1,100	1,100	1,100
Ga	1,010	1,080	1,060	1,080	1,030	1,090	1,060	1,110
Idaho	1,050	970	1,080	1,060	1,060	1,060	1,040	1,090
Ill	990	1,040	1,060	1,080	990	1,060	1,010	1,090
Ind	960	1,000	990	1,050	910	1,030	940	1,070
Iowa	930	940	970	990	890	960	920	1,000
Kans	1,000	1,050	1,020	1,070	1,010	1,020	1,020	1,070
Ky	880	910	890	930	870	940	910	930
La	990	1,000	1,010	1,050	995	1,040	1,000	1,040
Md	1,000	1,040	1,050	1,070	1,030	1,090	1,010	1,100
Mich	980	1,000	1,030	1,090	970	1,070	970	1,070
Minn	900	940	950	950	870	940	890	960
Miss	930	950	950	1,020	950	985	950	1,020
Mo	920	960	940	980	880	970	940	990
Nebr	910	990	990	990	970	960	960	990
N Y	880	920	920	960	930	960	900	990
N C	1,050	1,070	1,100	1,130	1,100	1,080	1,070	1,090
N D	850	850	890	865	790	875	835	860
Ohio	1,000	1,000	1,040	1,050	900	1,070	1,000	1,080
Okla	950	960	960	1,000	950	990	980	1,000
Oreg	1,010	1,010	1,050	1,050	1,090	1,080	1,080	1,080
Pa	990	1,020	1,040	1,020	1,030	1,050	1,020	1,100
Tenn	890	890	890	930	850	920	850	940
Tex	1,100	1,090	1,120	1,100	1,070	1,090	1,070	1,130
Utah	980	970	1,050	1,040	1,030	1,060	1,000	1,060
Vt	820	900	880	960	910	1,020	880	1,000
Va	920	940	980	950	990	950	940	950
Wash	1,100	1,140	1,210	1,150	1,190	1,150	1,140	1,180
Wis	910	945	1,000	1,000	915	990	910	1,020
United States (50 States)	970	1,000	1,020	1,040	975	1,030	980	1,060

1/ Dairy cows sold for dairy herd replacement.

Milk cows: Prices received by farmers, quarterly, United States, 1984-89 1/

Year	Jan	Apr	Jul	Oct
	Dollars per head			
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
1989	1,000	1,040	1,030	1,060

1/ Dairy cows sold for dairy herd replacement.

Dairy production: Utilization and cash receipts, by selected States, 1989

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	14.90	77,480	1	149
Arizona	1,514	13.60	205,904	2	272
Arkansas	769	14.60	112,274	6	876
California	19,298	12.60	2,430,691	8	1,008
Colorado	1,219	15.05	183,434	19	2,859
Connecticut	514	14.70	75,537	2	294
Florida	2,440	15.90	387,960	2	318
Georgia	1,300	15.10	196,300	1	151
Idaho	2,620	12.30	322,260	7	861
Illinois	2,708	13.60	368,288	5	680
Indiana	2,186	13.50	295,110	10	1,350
Iowa	4,070	13.20	537,240	42	5,544
Kansas	1,230	13.20	162,360	5	660
Kentucky	2,168	13.60	294,848	40	5,440
Louisiana	930	14.60	135,780	9	1,314
Maine	594	14.75	87,629	4	590
Maryland	1,363	14.50	197,635	4	580
Massachusetts	439	15.07	66,171	2	301
Michigan	5,092	13.63	693,950	10	1,363
Minnesota	9,975	13.08	1,304,730	20	2,616
Mississippi	760	14.38	109,291	4	575
Missouri	2,920	13.30	388,360	15	1,995
Nebraska	1,325	13.00	172,250	10	1,300
New York	10,926	14.24	1,555,741	59	8,401
North Carolina	1,484	15.10	224,084	29	4,379
North Dakota	1,000	12.20	122,000	4	488
Ohio	4,525	13.46	608,945	10	1,346
Oklahoma	1,202	14.00	168,280	13	1,820
Oregon	1,474	13.60	200,468	8	1,088
Pennsylvania	9,887	14.69	1,452,531	39	5,730
South Carolina	453	15.85	71,803	4	634
South Dakota	1,708	12.90	220,332	6	774
Tennessee	2,062	13.84	285,316	30	4,151
Texas	5,124	14.43	739,330	6	866
Utah	1,150	12.90	148,330	3	387
Vermont	2,296	14.14	324,564	10	1,414
Virginia	1,970	14.20	279,740	5	710
Washington	4,072	13.65	555,812	4	546
Wisconsin	23,664	13.45	3,183,144	96	12,913
United States (50 States)	142,135	13.65	19,402,760	579	80,301

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, 1987-1989

Products	1987	1988	1989	1989 as percent of 1988
	1,000 pounds			
Butter	1,104,135	1,207,540	1,273,544	105
Cheese:				
American:				
Cheddar	2,284,836	2,279,164	2,219,704	97
Other American types 1/	431,823	477,413	452,871	95
Part skim	858	1,050	825	79
Swiss	227,241	250,111	231,238	92
Munster	92,629	83,327	91,121	109
Brick	28,939	24,846	17,490	70
All Italian types	1,364,588	1,472,582	1,591,861	108
Cream	330,135	359,233	379,328	106
Neufchatel	12,095	16,645	21,631	130
Blue 2/	35,863	37,789	34,561	92
All other types 3/	99,108	104,302	121,308	116
Total 4/	5,344,364	5,571,973	5,613,872	101
Cottage Cheese:				
Curd 5/	573,778	556,660	525,501	94
Creamed 6/	674,805	647,083	570,335	88
Lowfat 7/	270,528	290,854	300,266	103
Canned Milk:				
Evaporated and condensed whole	579,722	590,113	525,128	89
evaporated skim milk	16,966	22,030	20,169	92
Bulk condensed milk:				
Whole				
Sweetened	78,728	73,946	93,480	126
Unsweetened	292,219	265,119	177,466	67
Skim				
Sweetened	57,541	395,133	66,263	17
Unsweetened	954,683	966,409	1,079,799	112
Condensed or evaporated buttermilk	51,908	79,917	40,476	51
Dry milk:				
Dry whole milk	145,861	172,329	175,768	102
Nonfat dry milk for human food	1,056,797	979,722	874,667	89
Dry skim milk for animal feed	19,823	18,730	18,705	100
Dry buttermilk	55,627	58,679	60,517	103
Whey and whey products:				
Condensed whey, solids content 8/	73,354	62,125	59,919	96
Dry whey	1,097,349	1,136,987	1,031,257	91
Milk sugar and lactose	151,522	161,296	171,247	106

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, 1980-1989

Year	Ice cream	Ice milk 1/	Milk sherbet	Total frozen products 2/
	Thousand gallons			
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	882,079	354,831	52,175	1,289,085
1989	831,159	376,507	52,197	1,259,863

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, 1980-1989

Year	Whole milk equiv. in manufactured dairy products	Skim milk equiv. used in specified skim milk & buttermilk products	Cottage cheese		
			Curd	Creamed 1/	Low fat 2/
	Million pounds		Thousand pounds		
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
1989	84,380	17,397	525,501	570,335	300,266

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, 1967-1989 1/

Year	Fluid milk and cream 2/	Cheese 3/	Butter	Ice cream (product weight)	Frozen dairy products	All dairy products milk equivalent milkfat basis
	Pounds					
1967	276	10.0	5.5	18.0	27.9	581.4
1968	276	10.5	5.9	18.5	28.7	582.7
1969	274	10.8	5.6	18.1	28.9	572.0
1970	275	11.4	5.4	17.8	28.5	563.9
1971	276	12.0	5.2	17.7	28.2	558.4
1972	274	13.0	5.0	17.6	28.0	560.1
1973	269	13.5	4.8	17.5	28.0	551.0
1974	260	14.4	4.5	17.5	27.7	538.3
1975	261	14.3	4.7	18.6	28.6	539.4
1976	260	15.5	4.3	18.0	27.5	539.7
1977	258	16.0	4.3	17.6	27.5	541.1
1978	254	16.8	4.4	17.6	27.3	544.5
1979	251	17.2	4.5	17.3	26.5	548.0
1980	246	17.5	4.5	17.5	26.4	543.4
1981	242	18.2	4.2	17.4	26.4	540.9
1982	235	19.9	4.3	17.6	26.4	555.5
1983	235	20.5	4.9	18.0	27.0	572.0
1984	237	21.4	4.9	18.1	27.1	581.0
1985	240	22.5	4.9	18.1	27.8	592.0
1986	240	23.0	4.6	18.4	27.8	590.0
1987	238	24.0	4.6	18.3	28.0	598.0
1988	236	23.6	4.5	17.2	27.5	580.0
1989	237	23.7	4.3	16.0	28.2	565.0

1/ 1967-88 revised. Includes civilian and military consumption. 1989 preliminary. 2/ Whole milk equivalent. 3/ Whole and part skim milk cheese; excludes cottage, pot, and baker's cheese.