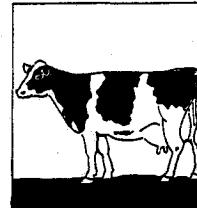


FLORIDA AGRICULTURAL STATISTICS



DAIRY SUMMARY

FLORIDA DEPARTMENT OF AGRICULTURE
AND CONSUMER SERVICES
BOB CRAWFORD, COMMISSIONER
TALLAHASSEE, FLORIDA

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Agricultural Marketing Service
and
National Agricultural
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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.

This report is made possible through a cooperative effort of the Florida Agricultural Statistics Service, USDA, and the Florida Department of Agriculture and Consumer Services, Division of Dairy Industry. Shipment data are from the Road Guard Bureau, Division of Inspection and Bureau of Dairy Laboratories, Division of Dairy Industry. Production and inventory data are official State and USDA statistics prepared by the Florida Agricultural Statistics Service.

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DAIRY SUMMARY

Florida dairies produced a record high 2.53 billion pounds of milk in 1990. This was 81 million pounds greater than the previous record of 2.45 billion pounds in 1989. Production per cow in 1990 was 14,044 pounds, exceeding by 525 pounds the previous high of 13,519 pounds in 1989.

An average of 180,000 milk cows were on Florida farms and commercial dairies in 1990. This was down 1,000 from the 1989 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 1990 totaled \$421 million, exceeding by \$33 million the 1989 total.

Total United States milk production was 148 billion pounds in 1990, exceeding by 4 billion pounds the 1989 production. During 1990, the number of milk cows on U. S. farms and dairies averaged 10,128,000, up 4,000 from the average of 10,124,000 in 1989. Average annual milk production per cow was 14,642 pounds, 398 pounds higher than last year's record of 14,244 pounds.

Nationwide, cash receipts from marketings of milk during 1990 totaled \$20.2 billion, an increase of 4.1 percent from the 1989 total of \$19.4 billion. Producer returns averaged \$13.81 per cwt, 20 cents above the 1989 average.

Cash receipts from livestock marketings: Florida, 1981-1990 1/

Year	Cattle and calves	Hogs	Milk	Chickens and eggs 2/	Total 3/ livestock and products	Percent of total farm cash receipts
Thousand dollars						
1981	370,730	56,125	347,592	236,700	1,026,286	24
1982	310,907	47,624	343,416	224,931	1,018,326	24
1983	359,015	36,466	346,335	233,537	1,078,395	23
1984	373,133	27,088	304,398	284,588	1,098,633	23
1985	334,247	17,950	333,465	230,047	1,023,070	22
1986	272,920	23,376	346,680	265,630	1,017,626	22
1987	387,883	23,550	343,200	223,246	1,101,730	21
1988	391,171	19,024	355,680	253,446	1,155,908	20
1989	356,668	19,010	387,960	308,032	1,182,052	22
1990	390,561	20,041	421,341	288,108	1,288,877	23

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, Florida, January 1, 1982-1991

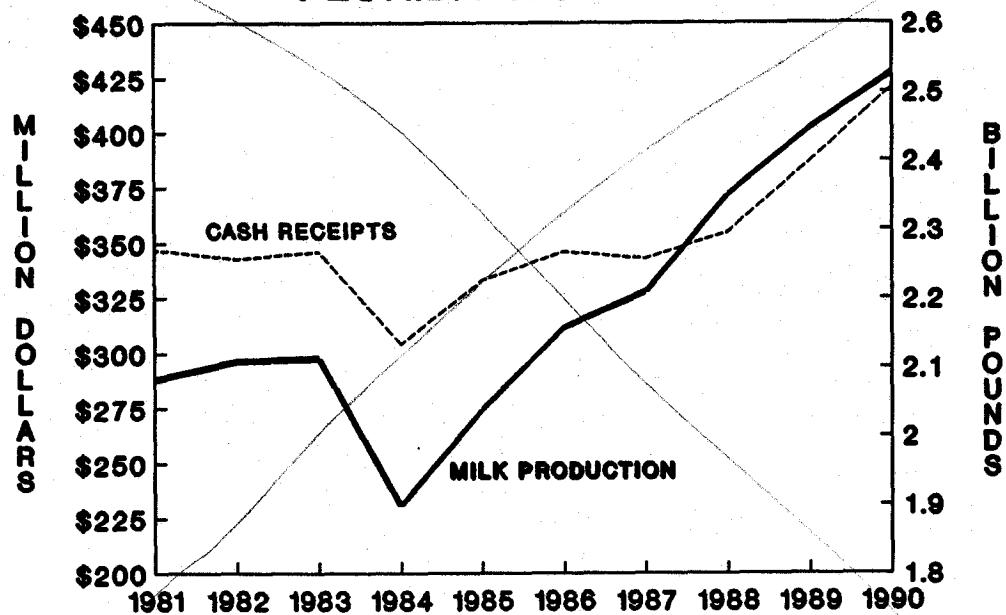
Year	Cows and heifers that have calved				Heifers 500 pounds and over			
	Total	Beef	Milk	Milk as percent of total	Total	Beef	Milk	Milk as percent of total
1,000 head								
1982	1,410	1,220	190	13.5	289	244	45	15.6
1983	1,420	1,230	190	13.4	293	248	45	15.4
1984	1,410	1,220	190	13.5	186	241	45	15.7
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	1,265	1,083	182	14.0	171	133	38	22.2
1990	1,265	1,083	182	14.4	170	135	35	20.6
1991	1,250	1,065	185	14.8	200	170	30	15.0

Milk: Production, utilization, milkfat and cash receipts, Florida 1981-1990

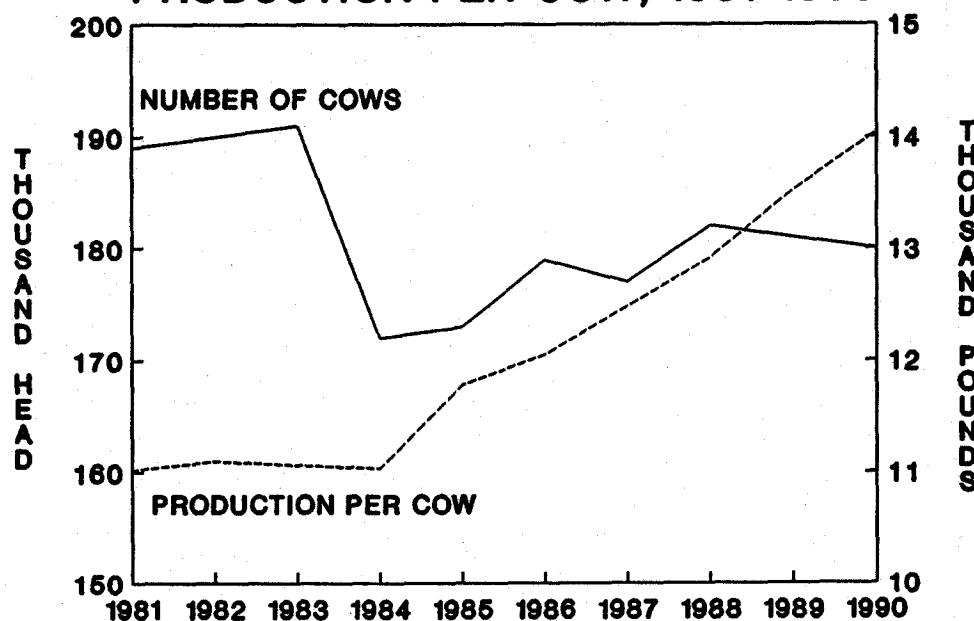
Year	Total milk production 1/	Milk used on farms	Milk sold to plants and dealers 2/	Milkfat	Cash receipts from marketings	
					Million pounds	Percent
1981	2,082	13	2,069	3.47	347,592	
1982	2,109	15	2,094	3.49	343,416	
1983	2,113	13	2,099	3.55	346,335	
1984	1,898	19	1,879	3.51	304,398	
1985	2,038	17	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	
1990	2,528	5	2,523	3.48	421,341	

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 & ANNUAL MILK PRODUCTION FLORIDA 1981-1990



NUMBER OF MILK COWS IN FLORIDA PRODUCTION PER COW, 1981-1990



Milk cows and production: Number of farms and milk production,
by months, Florida 1981-1990

Year	Jan	Feb	Mar	Apr	May	Jun
Milk cows						
Thousands						
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
1990	179	179	180	181	180	178
Milk production per cow						
Pounds						
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
1990	1,280	1,230	1,360	1,295	1,270	1,150
Milk production						
Million pounds						
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
1990	229	220	245	234	229	205

See footnote at end of table.

Continued

Milk cows and production: Number on farms and milk production, by months, Florida, 1981-1990 (continued)

Year	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Milk cows							
Thousands							
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
1990	178	178	179	178	182	185	180
Milk production per cow							
Pounds							
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
1990	1,090	1,010	965	1,060	1,120	1,220	14,044
Milk production							
Million pounds							
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
1990	194	180	173	189	204	226	2,528

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

1990 COUNTY SUMMARY

Okeechobee County, although experiencing a 42 million pound decrease in milk production, continues by far to be the leading milk producing county in Florida in 1990. There were seven counties that each produced over 100 million pounds

of milk in 1990. The seven counties; Okeechobee, Lafayette, Highlands, Clay, Gilchrist, Hardee, and Hillsborough accounted for 52 percent of the milk produced in Florida during 1990.

Florida Milk Production: January 1, 1990-91 inventory of commercial milk cows and 1989-90 annual milk production by counties and non-commercial milk cows and milk production

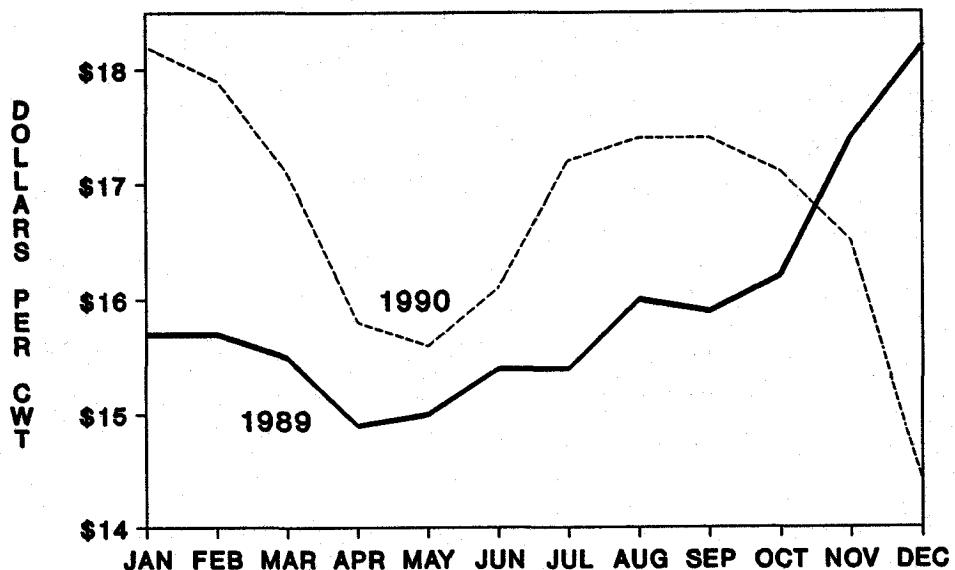
County	Milk cows, January 1		Annual milk production	
	1991	1990	1990	1989
Number				
Alachua	4,300	5,500	68,700	73,500
Broward	3,200	3,300	31,800	33,000
Clay	9,100	9,200	113,500	122,000
Duval	4,200	4,300	64,100	61,600
Escambia	2,600	2,400	36,000	32,500
Gilchrist	9,400	7,500	126,000	106,000
Hardee	8,000	6,200	108,000	72,700
Hernando	2,700	3,000	48,100	48,100
Highlands	9,000	9,700	130,000	128,000
Hillsborough	7,500	8,500	101,500	105,000
Holmes	2,100	1,600	26,400	22,700
Jackson	2,900	2,900	45,600	40,700
Jefferson	2,500	3,000	44,000	44,500
Lafayette	12,900	11,000	158,500	142,000
Lake	3,100	3,000	37,000	35,200
Manatee	6,500	5,700	87,300	88,400
Marion	3,300	3,400	46,900	44,500
Martin	3,400	3,000	41,000	47,800
Nassau	4,100	4,500	76,600	82,000
Okeechobee	40,000	45,000	581,500	624,000
Pasco	5,600	5,400	85,200	80,900
Polk	3,700	3,700	48,400	43,500
Suwannee	6,100	5,500	75,900	63,500
Washington	1,900	1,800	18,000	17,800
Other counties	25,900	21,700	328,000	280,160
Total Commercial dairies 1/	184,000	180,800	2,523,000	2,404,000
Non commercial 2/	1,000	1,200	5,000	7,000
Total	185,000	182,000	2,528,000	2,447,000

1/ Other counties combined to avoid disclosing individual operations include: Baker, Bradford, Brevard, Calhoun, Charlotte, Columbia, 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, 1981-1990

Year	Jan	Feb	Mar	Apr	May	Jun	
	Dollars						
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	
1990	18.20	17.90	17.10	15.80	15.60	16.10	
	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
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
1990	17.20	17.40	17.40	17.10	16.50	14.40	16.70

FLORIDA MILK PRICES, 1989-1990
ELIGIBLE FOR FLUID MARKET



**Dairy products: Production of specified manufactured products and
whole milk equivalents used in dairy products
produced in Florida, 1981-1990**

Year	Ice cream	Ice milk 1/	Milk sherbet	Total frozen products 1/	Whole milk equivalent in manufactured dairy products
Thousand gallons					
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
1990	24,290	14,540	2,289	41,119	343,372

1/ Includes freezer-made milkshakes.

2/ Excludes "mellorine-type" desserts and other minor frozen dairy products.

Inshipments: Raw milk, Florida

Month	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Thousand pounds										
Jan	17,251	12,782	21,041	41,630	53,954	39,036	44,760	35,578	33,776	36,211
Feb	10,594	13,161	17,975	39,851	48,410	35,607	37,121	31,645	31,323	23,361
Mar	11,354	15,122	21,288	42,675	53,002	38,885	39,456	35,511	33,774	29,711
Apr	11,003	8,566	19,319	40,982	37,992	33,519	32,802	32,483	31,143	26,629
May	10,359	12,887	19,074	40,180	43,715	33,494	32,678	31,928	31,161	26,899
Jun	13,291	18,464	18,162	42,052	39,901	34,181	42,547	34,299	32,987	25,547
Jul	19,036	19,082	29,900	51,594	40,150	43,206	42,691	47,233	52,156	35,642
Aug	27,739	32,084	37,092	63,574	47,781	52,007	48,343	58,400	63,502	52,051
Sep	32,296	40,334	43,355	62,001	57,968	67,757	79,052	65,242	65,447	57,667
Oct	22,729	31,310	31,504	65,602	62,298	64,930	55,482	57,481	69,865	52,007
Nov	18,479	27,020	30,647	64,797	45,581	53,158	47,434	54,629	52,427	38,581
Dec	14,322	20,922	38,436	52,399	42,375	47,504	34,155	36,096	34,561	30,052
Total	208,453	251,734	327,792	607,338	573,128	543,285	536,521	520,525	532,122	434,357

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, 1986-1990**

State	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Number of head										
AL	5,827	2,772	2,440	1,269	1,999	2,243	1,680	1,606	1,511	1,578
GA	2,483	1,891	1,740	2,095	2,658	1,430	1,360	1,246	1,590	1,903
IL	80	44	32	2	298	464	351	117	38	180
IN	2,886	2,308	2,595	894	985	1,499	916	1,223	1,677	1,985
IA	616	418	124	80	454	216	76	--	1,312	312
KY	4,522	4,207	5,271	2,012	5,996	4,805	3,227	1,980	1,963	1,681
MN	304	197	335	790	517	107	260	232	251	248
MS	3,300	2,737	2,624	1,084	2,544	2,976	2,780	2,138	2,216	2,679
MO	1,070	906	420	197	215	24	230	39	317	316
NY	4,374	4,779	4,568	3,303	8,594	6,003	7,853	6,518	5,649	5,864
NC	395	389	306	593	2,385	1,163	680	825	955	1,103
OH	988	1,334	657	343	545	403	300	457	568	1,119
PA	359	226	928	341	1,205	1,328	2,571	2,870	2,356	3,096
SC	488	970	566	345	873	668	1,066	669	1,176	939
TN	3,632	4,693	4,884	4,767	6,811	5,008	3,952	4,833	5,047	5,024
VA	208	219	972	353	1,834	2,488	3,233	3,153	3,865	3,242
WI	1,761	1,568	1,109	473	1,728	1,307	1,435	1,199	1,129	1,220
Other	701	1,417	2,222	772	2,390	2,851	2,887	2,612	4,577	3,176
Total	33,994	31,075	31,793	19,713	42,031	34,983	34,857	31,717	36,197	35,665

Cows and heifer calves kept for milk: Number on farms, by classes, United States, January 1 and July 1, 1982-1991

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				
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	10,153	4,227	10,100	4,200
1991	10,159	4,194	10,000	4,200

Milk: Production and utilization, milk and milkfat, United States, 1981-1990

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							
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	144,239	5,314	3.68	573	1,503	141,124	1,038
1990	148,284	5,411	3.65	523	1,525	145,300	935

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, 1990**

State	Milk cows 1/	Production 2/		Milkfat in milk
		Per milk cow	Total milk	
	Thousands	Pounds	Million pounds	Percent
Alabama	42	12,524	526	3.57
Arizona	94	17,447	1,640	3.60
Arkansas	69	11,841	817	3.52
California	1,135	18,461	20,953	3.62
Colorado	77	17,182	1,323	3.65
Connecticut	33	15,606	515	3.62
Florida	180	14,044	2,528	3.48
Georgia	111	12,973	1,440	3.59
Idaho	179	16,475	2,949	3.63
Illinois	195	14,462	2,820	3.65
Indiana	156	14,590	2,276	3.68
Iowa	305	14,197	4,330	3.62
Kansas	99	12,576	1,245	3.63
Kentucky	206	10,947	2,255	3.61
Louisiana	81	11,605	940	3.53
Maine	42	14,619	614	3.70
Maryland	103	13,262	1,366	3.66
Massachusetts	31	14,871	461	3.66
Michigan	344	15,212	5,233	3.65
Minnesota	710	14,093	10,006	3.65
Mississippi	62	12,081	749	3.60
Missouri	230	13,217	3,040	3.63
Nebraska	104	12,933	1,345	3.67
New York	768	14,456	11,102	3.66
North Carolina	100	15,220	1,522	3.68
North Dakota	88	12,534	1,103	3.64
Ohio	342	13,143	4,495	3.69
Oklahoma	101	12,327	1,245	3.61
Oregon	99	16,273	1,611	3.68
Pennsylvania	683	14,543	9,933	3.65
South Carolina	35	12,743	446	3.81
South Dakota	140	12,257	1,716	3.64
Tennessee	196	11,209	2,197	3.60
Texas	386	14,350	5,539	3.57
Utah	80	15,838	1,267	3.59
Vermont	163	14,528	2,368	3.72
Virginia	141	14,213	2,004	3.60
Washington	237	18,557	4,398	3.67
Wisconsin	1,753	13,919	24,400	3.73
United States (50 States)	10,127	14,642	148,284	3.65

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, 1981-1990**

Year	Mar	Jun	Sep	Dec	Annual
Milk cows 1/					
Thousands					
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	10,163	10,115	10,099	10,126	10,126
1990	10,128	10,111	10,119	10,151	10,127
Milk production per cow					
Pounds					
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	3,481	3,451	14,244
1990	3,627	3,820	3,620	3,575	14,642
Milk production					
Million pounds					
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	36,441	37,702	35,157	34,940	144,239
1990	36,740	38,626	36,632	36,285	148,284

1/ Milk cows annual is average number during year, excluding heifers not yet fresh.

**Milk sold to plants, All: Average price per 100 pounds received
by farmers, United States, 1981-1990**

Year	Jan	Feb	Mar	Apr	May	Jun
Dollars						
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
1990	15.50	14.50	13.90	13.40	13.50	13.80

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
Dollars							
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
1990	14.00	14.20	13.90	13.10	12.70	11.70	13.73

Milk sold to plants, eligible for fluid market: Average price per 100 pounds
 received by farmers, United States, 1981-1990

Year	Jan	Feb	Mar	Apr	May	Jun
Dollars						
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
1990	15.60	14.70	14.00	13.40	13.60	13.90

Year	Jul	Aug	Sep	Oct	Nov	Dec	Weighted average
Dollars							
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	12.36
1989	12.70	13.30	14.10	14.90	15.60	16.10	13.65
1990	14.10	14.30	14.00	13.30	12.90	11.80	13.73

**Milk cows: Prices received by farmers, quarterly,
by States, 1989 and 1990 1/**

State	January		April		July		October	
	1989	1990	1989	1990	1989	1990	1989	1990
Dollars per head								
AL	1,060	1,140	1,090	1,140	1,080	1,150	1,090	1,170
AR	990	1,060	1,020	1,120	1,020	1,090	1,030	1,120
CA	1,210	1,280	1,200	1,260	1,190	1,320	1,210	1,360
CO	1,030	1,080	1,100	1,100	1,100	1,200	1,100	1,250
FL	1,080	1,130	1,080	1,250	1,100	1,230	1,100	1,260
GA	1,080	1,140	1,080	1,140	1,090	1,200	1,110	1,230
ID	970	1,060	1,060	1,170	1,060	1,220	1,090	1,260
IL	1,040	1,140	1,080	1,170	1,060	1,150	1,090	1,140
IN	1,000	1,150	1,050	1,170	1,030	1,130	1,070	1,170
IO	940	1,120	990	1,130	960	1,170	1,000	1,200
KS	1,050	1,140	1,070	1,190	1,020	1,160	1,070	1,240
KY	910	990	930	1,030	940	1,030	930	1,060
LA	1,000	1,100	1,130	1,130	1,048	1,180	1,040	1,200
MD	1,040	1,180	1,070	1,200	1,090	1,200	1,100	1,200
MI	1,000	1,200	1,090	1,170	1,070	1,200	1,070	1,240
MN	940	1,080	950	1,090	940	1,100	960	1,140
MS	950	1,050	1,020	1,100	985	1,120	1,020	1,130
MO	960	1,070	980	1,080	970	1,120	990	1,130
NB	990	1,060	990	1,130	960	1,140	990	1,170
NY	920	1,050	960	1,070	960	1,100	990	1,160
NC	1,070	1,190	1,130	1,160	1,080	1,310	1,090	1,270
ND	850	930	865	1,010	875	1,020	860	1,050
OH	1,000	1,100	1,050	1,050	1,070	1,140	1,080	1,200
OK	960	1,070	1,000	1,100	990	1,090	1,000	1,140
OR	1,010	1,150	1,050	1,180	1,080	1,180	1,080	1,300
PA	1,020	1,150	1,020	1,160	1,050	1,170	1,100	1,210
TN	890	940	930	1,000	920	1,090	940	1,040
TX	1,090	1,190	1,100	1,190	1,090	1,210	1,130	1,260
UT	970	1,070	1,040	1,140	1,060	1,190	1,060	1,250
VT	900	1,040	960	1,040	1,020	1,080	1,000	1,070
VA	940	1,020	950	1,040	950	1,020	950	1,100
WA	1,140	1,250	1,150	1,300	1,150	1,340	1,180	1,340
WI	945	1,100	1,000	1,140	990	1,140	1,020	1,170

1/ Dairy cows sold for dairy herd replacement.

**Milk cows: Prices received by farmers, quarterly,
United States, 1985-1990 1/**

Year	January	April	July	October
Dollars per head				
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
1990	1,120	1,140	1,170	1,200

1/ Dairy cows sold for dairy herd replacement.

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Dairy production: Utilization and cash receipts, by States, 1990

State	Combined marketings of milk and cream			Used for milk, cream and butter on farms where produced	
	Milk used Million pounds	Average 1/ returns per 100 lbs milk	Cash receipts 1,000 dollars	Milk used Million pounds	Value 2/ 1,000 dollars
AL	523	15.90	83,157	2	318
AK	15.9	20.47	3,254	0.3	61
AZ	1,630	14.10	229,830	2	282
AR	788	15.00	118,200	9	1,350
CA	20,908	12.22	2,556,002	7	856
CO	1,271	14.83	118,451	8	1,186
CT	506	15.04	76,091	2	301
DE	121.0	14.90	18,029	0.0	0
FL	2,523	16.70	421,341	2	334
GA	1,431	15.79	225,959	2	316
HI	148.6	20.70	30,760	0.9	186
ID	2,905	12.20	354,410	7	854
IL	2,786	12.80	356,608	6	768
IN	2,226	14.10	313,866	10	1,410
IA	4,215	13.30	560,595	40	5,320
KS	1,225	13.30	162,925	3	399
KY	2,175	14.30	311,025	32	4,576
LA	920	15.40	141,680	8	1,232
ME	599	15.35	91,940	4	614
MD	1,355	14.95	202,545	3	448
MA	454	15.43	70,054	2	309
MI	5,163	14.13	729,476	10	1,413
MN	9,875	13.22	1,305,475	20	2,644
MS	743	15.15	112,549	3	454
MO	2,985	13.60	405,960	15	2,040
MT	325	13.70	44,525	6	822
NE	1,310	13.10	171,610	10	1,310
NV	325	13.20	42,900	2	264
NH	298	14.80	44,104	1	148
NJ	349	15.30	53,397	1	153
NM	1,511	13.40	202,474	7	938
NY	10,885	14.64	1,593,900	60	8,786
NC	1,486	15.80	234,788	19	3,002
ND	1,075	12.50	134,375	3	375
OH	4,460	13.90	619,940	15	2,085
OK	1,220	14.30	174,460	9	1,287
OR	1,578	13.59	214,528	7	952
PA	9,823	15.23	1,495,776	40	6,091
RI	33	16.20	5,347	0	0
SC	436	16.48	71,842	4	659
SD	1,701	13.00	221,130	5	650
TN	2,055	14.73	302,606	35	5,154
TX	5,501	14.70	808,647	5	735
UT	1,242	13.27	164,763	3	398
VT	2,336	14.44	337,334	8	1,155
VA	1,982	15.00	297,300	5	750
WA	4,372	13.73	600,092	4	549
WV	265	14.67	38,878	2	293
WI	24,059	13.45	3,236,328	73	9,820
WY	117	12.80	14,976	1	128
U.S.	146,236	13.81	20,196,200	523	74,175

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, 1988-1990**

Products	1988	1989	1990	1990 as percent of 1989
1,000 pounds				
Butter	1,207,540	1,295,409	1,302,177	101
Cheese:				
American:				
Cheddar	2,279,164	2,221,204	2,406,739	108
Other American types 1/	477,413	452,871	484,028	107
Part skim	1,050	825	845	102
Swiss	250,111	231,238	260,737	113
Munster	83,327	91,121	100,132	110
Brick	24,846	17,490	17,337	99
All Italian types	1,472,582	1,591,861	1,730,366	109
Cream	359,233	379,328	404,759	107
Neufchatel	16,645	21,631	26,040	120
Blue 2/	37,789	34,561	36,434	105
All other types 3/	104,302	121,231	114,645	95
Total 4/	5,571,973	5,615,372	6,061,162	108
Cottage Cheese:				
Curd 5/	556,660	526,913	493,452	94
Creamed 6/	647,083	572,263	530,636	93
Lowfat 7/	290,854	300,881	301,945	100
Canned Milk:				
Evaporated and condensed whole	590,113	525,128	602,647	115
evaporated skim milk	22,030	20,169	12,536	62
Bulk condensed milk:				
Whole				
Sweetened	73,946	93,480	105,371	113
Unsweetened	265,119	177,466	144,417	81
Skim				
Sweetened	395,133	66,263	44,510	67
Unsweetened	966,409	1,079,799	1,131,512	105
Condensed or evaporated buttermilk	79,917	40,476	37,247	92
Dry milk:				
Dry whole milk	172,329	175,768	175,129	100
Nonfat dry milk for human food	979,722	874,667	876,636	100
Dry skim milk for animal feed	18,730	18,705	23,221	124
Dry buttermilk	58,679	60,517	55,851	92
Whey and whey products:				
Condensed whey, solids content 8/	62,125	59,919	58,683	98
Dry whey	1,136,987	1,069,470	1,143,259	107
Milk sugar and lactose	161,296	170,903	192,586	113

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, 1981-1990**

Year	Ice cream	Ice milk 1/	Milk sherbet	Total frozen products 2/
Thousand gallons				
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	52,662	1,260,328
1990	816,077	348,800	50,278	1,215,155

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, 1981-1990**

Year	Whole milk equivalent in manufactured dairy products	Skim milk equivalent used in specified skim milk and buttermilk products	Cottage cheese		
			Curd	Creamed 1/	Lowfat 2/
Million pounds					
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	526,913	572,263	300,881
1990	88,608	17,285	493,452	530,636	301,945

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, 1967-1990 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	28.7	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	543.5
1981	242	18.2	4.2	17.4	26.5	541.3
1982	236	19.9	4.4	17.6	26.4	556.4
1983	236	20.6	4.9	18.1	27.1	573.3
1984	238	21.5	4.9	18.2	27.2	582.5
1985	241	22.5	4.9	18.1	27.9	594.1
1986	241	23.1	4.6	18.4	27.9	591.9
1987	239	24.1	4.6	18.4	28.2	601.2
1988	235	23.7	4.5	17.3	27.7	583.5
1989	232	23.8	4.3	16.1	28.6	567.6
1990	230	24.5	4.3	15.9	26.0	4/

1/ 1978-89 revised. Includes civilian and military consumption. 1990 preliminary. 2/ Whole milk equivalent.
 3/ Whole and part skim milk cheese; excludes cottage, pot, and baker's cheese. 4/ Not available.