

**CHAPTER VIII**  
**DAIRY AND POULTRY STATISTICS**

Dairy statistics in this chapter include series relating to many phases of production, movement, prices, stocks, and consumption of milk and its products. Two series of number of milk cows on farms are included in this publication. One series is an inventory number of a specific classification estimated as one of the major groups making up the total cattle population on January 1. The other series identified as "milk cows" is an annual average number of milk cows during the year (excluding any not yet fresh) and is used in estimating milk production.

In comparing the several series of milk prices, it is important to note that prices received by farmers for all whole milk sold are for milk or milkfat content as actually sold, while certain prices paid by dealers for milk for fluid purposes or for specified manufacturing purposes may be quoted on a 3.5 percent butterfat basis, or for some types of manufacturing milk on the test of the milk used for that particular purpose.

Poultry and poultry products statistics include inventory numbers of chickens by classes; the production, disposition, cash receipts, and gross income from chickens and eggs; poultry and egg receipts at principal markets; commercial broiler production; turkey production, disposition, and gross income; poultry and eggs under Federal inspection; and the National Poultry Improvement Plan. Estimates relating to inventories, production, and income exclude poultry and eggs produced on places not classified as farms.

**Table 8-1.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, United States, Jan. 1, 1991–2000**

Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements
	<i>Thousands</i>	<i>Thousands</i>
1991 .....	9,966	4,093
1992 .....	9,728	4,131
1993 .....	9,658	4,176
1994 .....	9,507	4,125
1995 .....	9,482	4,121
1996 .....	9,420	4,090
1997 .....	9,318	4,058
1998 .....	9,199	3,986
1999 .....	9,133	4,069
2000 <sup>1</sup> .....	9,188	3,954

<sup>1</sup> Preliminary.

NASS, Livestock Branch, (202) 720-6146.

**Table 8-2.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, by States, Jan. 1, 1999 and 2000**

State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements		State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements	
	1999	2000 <sup>1</sup>	1999	2000 <sup>1</sup>		1999	2000 <sup>1</sup>	1999	2000 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>		<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL .....	27	27	9	10	NE .....	72	76	30	30
AK .....	0.9	0.9	0.4	0.4	NV .....	25	25	8	9
AZ .....	132	135	23	26	NH .....	20	19	10.0	10.0
AR .....	42	42	20	15	NJ .....	18	16	7	5
CA .....	1,440	1,490	720	720	NM .....	218	236	55	55
CO .....	83	83	45	40	NY .....	702	700	310	300
CT .....	29	28	12	12	NC .....	73	72	30	29
DE .....	10	10	2.7	2.5	ND .....	50	50	15	15
FL .....	157	156	40	40	OH .....	260	258	125	110
GA .....	90	90	29	35	OK .....	92	92	30	30
HI .....	9	9	4	4	OR .....	88	90	55	50
ID .....	302	332	135	160	PA .....	619	619	280	280
IL .....	125	120	60	60	RI .....	2.1	1.9	0.7	0.8
IN .....	137	138	62	60	SC .....	24	23	10	11
IA .....	220	215	120	110	SD .....	102	102	35	40
KS .....	84	88	45	40	TN .....	100	96	45	40
KY .....	135	130	55	45	TX .....	340	350	110	80
LA .....	64	61	15	12	UT .....	95	95	43	46
ME .....	42	41	20.0	18.0	VT .....	162	159	68	60
MD .....	86	86	29	33	VA .....	122	119	63	60
MA .....	25	25	12.0	10.0	WA .....	248	246	98	99
MI .....	300	300	145	125	WV .....	18	18	5	5
MN .....	545	540	290	290	WI .....	1,370	1,360	640	630
MS .....	39	36	17	15	WY .....	6	6	1	1
MO .....	165	158	75	65	US .....	9,133.0	9,187.8	4,068.8	3,953.7
MT .....	18	18	10	10					

<sup>1</sup> Preliminary.

NASS, Livestock Branch, (202) 720-6146.

**Table 8-3.—Milk-feed price ratios: All milk-price; dairy feed, 16%; Milk-feed price ratios and value per 100 pounds of grain and concentrate rations fed to milk cows, United States, annual 1989-98**

Year	All milk price cwt.	16% dairy feed price cwt <sup>1</sup>	Milk-feed price ratio <sup>2</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Pounds</i>
1989 .....	13.56	9.45	2.70
1990 .....	13.74	9.10	2.82
1991 .....	12.27	8.80	2.74
1992 .....	13.15	8.90	3.01
1993 .....	12.84	9.00	2.80
1994 .....	13.01	9.20	2.65
1995 .....	12.78	8.70	2.59
1996 .....	14.75	11.25	2.45
1997 .....	13.36	10.75	2.38
1998 .....	15.41	9.70	3.32

<sup>1</sup> Commercially prepared 16% dairy ration: Annual average prior to 1995, April price 1995-current. <sup>2</sup> Annual ratios based on average of monthly ratios. Pounds of 16 % mixed dairy feed equal in value to one pound of whole milk. Effective January 1995, prices of commercial prepared feeds are based on current U.S. prices received for corn (51 lbs), soybeans (8 lbs), and alfalfa hay (41 lbs).

NASS, Environmental, Economics, and Demographics Branch, (202) 720-3570.

**Table 8-4.—Milk cows: Number of operations, 1998–99, and inventory, Jan. 1, 1999–2000, by selected States and United States<sup>1</sup>**

State	Operations with milk cows <sup>2</sup>		January 1 milk cow inventory	
	1998	1999 <sup>3</sup>	1999	2000 <sup>3</sup>
	<i>Number</i>	<i>Number</i>	<i>1,000 head</i>	<i>1,000 head</i>
AL .....	380	340	27	27
AK .....	30	30	0.9	0.9
AZ .....	250	250	132	135
AR .....	1,200	1,100	42	42
CA .....	2,700	2,600	1,440	1,490
CO .....	900	900	83	83
CT .....	350	350	29	28
DE .....	130	130	10	10
FL .....	650	550	157	156
GA .....	950	850	90	90
HI .....	50	50	9	9
ID .....	1,300	1,200	302	332
IL .....	2,300	2,200	125	120
IN .....	3,300	3,200	137	138
IA .....	4,300	4,000	220	215
KS .....	1,400	1,400	84	88
KY .....	3,400	3,200	135	130
LA .....	800	700	64	61
ME .....	700	700	42	41
MD .....	1,100	1,100	86	86
MA .....	450	450	25	25
MI .....	4,000	3,700	300	300
MN .....	9,700	9,100	545	540
MS .....	600	550	39	36
MO .....	4,300	4,100	165	158
MT .....	700	650	18	18
NE .....	1,400	1,400	72	76
NV .....	150	150	25	25
NH .....	300	300	20	19
NJ .....	350	350	18	16
NM .....	500	500	218	236
NY .....	8,700	8,200	702	700
NC .....	1,100	1,000	73	72
ND .....	1,200	1,200	50	50
OH .....	5,900	5,700	260	258
OK .....	2,100	2,000	92	92
OR .....	1,000	900	88	90
PA .....	11,200	11,000	619	619
RI .....	40	40	2.1	1.9
SC .....	300	260	24	23
SD .....	1,800	1,700	102	102
TN .....	2,000	1,800	100	96
TX .....	3,200	2,800	340	350
UT .....	900	820	95	95
VT .....	1,900	1,800	162	159
VA .....	1,800	1,700	122	119
WA .....	1,300	1,200	248	246
WV .....	800	700	18	18
WI .....	23,000	22,000	1,370	1,360
WY .....	300	300	6	6
US .....	117,180	111,220	9,133.0	9,187.8

<sup>1</sup>An operation is any place having one or more milk cows on hand at any time during the year. <sup>2</sup>Included in operations with cattle. <sup>3</sup>Preliminary.  
 NASS, Livestock Branch, (202) 720-6146.

**Table 8-5.—Milk cows: Number of operations by size group, selected States, and United States, 1998–99<sup>1</sup>**

State	Operations having											
	1–29 Head		30–49 Head		50–99 Head		100–199 Head		200–499 Head		500+ Head	
	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>
	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
AZ .....	130	120	.....	.....	10	10	10	10	20	20	80	90
CA .....	420	380	90	70	110	70	270	250	750	730	1,060	1,100
CO .....	600	630	30	20	50	45	80	70	90	80	50	55
FL .....	400	300	10	10	32	40	38	40	75	70	95	90
GA .....	500	400	20	20	100	110	190	190	110	100	30	30
ID .....	350	300	140	120	250	250	240	210	180	170	140	150
IL .....	500	490	460	450	960	900	330	300	50	55	.....	5
IN .....	1,900	1,700	520	600	560	550	270	300	40	40	10	10
IA .....	1,200	1,000	1,200	1,100	1,400	1,400	390	410	105	80	5	10
KY .....	1,500	1,400	670	600	900	900	280	250	45	45	5	5
MD .....	230	230	180	170	420	410	220	230	45	50	5	10
MI .....	950	1,000	900	700	1,100	1,000	810	750	205	200	35	50
MN .....	1,600	1,500	3,500	3,200	3,500	3,300	800	750	260	290	40	60
MO .....	1,900	1,800	780	800	990	890	570	540	60	70	.....	.....
NM .....	350	330	.....	.....	5	5	10	15	20	20	115	130
NY .....	1,600	1,400	1,800	1,600	3,500	3,200	1,300	1,400	390	480	110	120
NC .....	530	500	60	45	200	180	220	190	75	70	15	15
OH .....	2,900	2,800	880	810	1,400	1,400	600	570	110	110	10	10
OK .....	1,400	1,300	130	130	300	270	220	240	40	50	10	10
OR .....	550	430	30	30	110	90	170	200	110	120	30	30
PA .....	2,300	2,300	3,800	3,700	3,800	3,800	1,050	930	235	255	15	15
SD .....	800	800	350	290	420	330	170	210	40	40	20	30
TN .....	950	800	210	200	440	500	300	200	90	90	10	10
TX .....	1,500	1,300	200	190	400	380	500	390	400	370	200	170
UT .....	340	260	60	50	165	190	190	180	120	110	25	30
VT .....	190	130	320	320	900	870	350	320	115	130	25	30
VA .....	760	600	100	150	450	480	380	340	100	120	10	10
WA .....	450	410	45	50	145	120	280	240	255	250	125	130
WI .....	4,300	4,000	7,300	6,900	8,900	8,400	1,950	2,000	490	610	60	90
Oth Sts ..	5,100	4,500	1,700	1,600	2,500	3,000	1,720	1,390	530	600	80	60
US .....	36,200	33,110	25,485	23,925	34,017	33,090	13,908	13,115	5,155	5,425	2,415	2,555

<sup>1</sup> An operation is any place having one or more head of milk cows on hand at any time during the year. <sup>2</sup> Preliminary. NASS, Livestock Branch, (202) 720-6146.

**Table 8-6.—Milk cows: Percent of inventory by size group, selected States, and United States, 1998–99<sup>1</sup>**

State	Inventory on operations having											
	1–29 head		30–49 head		50–99 head		100–199 head		200–499 head		500+ head	
	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>
	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent
AZ .....	0.4	0.3	.....	.....	0.5	0.4	1.4	0.8	5.7	4.5	92.0	94.0
CA .....	0.1	0.1	0.3	0.2	0.7	0.4	3.4	3.3	17.5	17.0	78.0	79.0
CO .....	1.4	1.4	1.4	0.8	4.2	2.8	12.0	9.0	30.0	22.0	51.0	64.0
FL .....	0.5	0.5	0.2	0.2	1.5	1.8	3.8	3.5	15.0	15.0	79.0	79.0
GA .....	3.0	0.5	1.0	1.0	8.0	9.5	28.0	31.0	31.0	30.0	29.0	28.0
ID .....	0.7	0.6	1.8	1.4	6.0	5.5	11.5	9.5	19.0	17.0	61.0	66.0
IL .....	4.0	3.8	11.0	12.0	46.0	43.0	29.0	28.0	10.0	11.0	.....	2.2
IN .....	14.0	12.0	18.0	20.0	31.0	28.0	25.0	27.0	7.0	7.5	5.0	5.5
IA .....	8.0	6.0	18.0	17.0	38.0	40.0	22.0	23.0	12.0	10.0	2.0	4.0
KY .....	8.0	8.0	18.0	16.0	40.0	42.0	24.0	23.0	8.0	9.0	2.0	2.0
MD .....	2.5	2.5	6.9	6.9	36.0	34.0	34.0	35.0	13.0	14.0	7.6	7.6
MI .....	4.5	5.0	10.5	8.0	25.0	23.0	32.0	32.0	18.0	18.0	10.0	14.0
MN .....	5.8	5.3	22.0	21.0	40.0	38.0	16.0	15.0	12.0	14.0	4.2	6.7
MO .....	7.0	6.0	16.0	18.0	33.0	30.0	36.0	36.0	8.0	10.0	.....	.....
NM .....	0.4	0.3	.....	.....	0.2	0.2	0.7	1.0	2.7	2.5	96.0	96.0
NY .....	2.5	2.0	10.5	10.0	34.0	31.0	26.0	27.0	15.0	17.0	12.0	13.0
NC .....	1.5	1.8	2.5	2.2	17.0	18.0	37.0	36.0	27.0	27.0	15.0	15.0
OH .....	12.0	11.0	12.5	13.0	35.0	34.0	27.0	27.0	11.0	12.0	2.5	3.0
OK .....	6.3	4.4	5.7	5.6	22.0	19.0	30.0	33.0	12.0	14.0	24.0	24.0
OR .....	1.0	0.7	1.3	1.3	9.7	8.0	25.0	26.0	34.0	36.0	29.0	28.0
PA .....	4.5	5.0	25.0	25.0	37.0	38.0	22.0	19.0	9.5	11.0	2.0	2.0
SD .....	5.5	4.5	13.0	10.5	28.0	21.0	21.0	27.0	9.5	10.0	23.0	27.0
TN .....	3.0	2.5	6.4	6.2	28.0	36.0	37.0	28.0	20.0	21.0	5.6	6.3
TX .....	0.8	1.0	2.0	2.0	8.2	8.0	20.0	17.0	29.0	32.0	40.0	40.0
UT .....	1.5	1.0	2.5	2.0	13.0	14.0	25.0	24.0	37.0	35.0	21.0	24.0
VT .....	1.0	0.7	9.0	9.3	34.0	32.0	26.0	25.0	20.0	20.0	10.0	13.0
VA .....	6.0	3.5	3.0	4.0	26.0	26.0	38.0	36.0	22.0	25.0	5.0	5.5
WA .....	0.4	0.3	0.7	0.8	3.9	2.9	16.0	14.0	32.0	30.0	47.0	52.0
WI .....	4.8	4.5	21.0	20.0	43.0	40.0	18.0	18.0	10.0	13.0	3.2	4.5
Oth Sts .....	4.0	3.0	8.0	8.0	25.0	28.0	32.0	28.0	19.0	20.0	12.0	13.0
US .....	3.5	3.1	10.5	10.1	24.2	23.2	19.3	18.4	15.5	16.3	27.0	28.9

<sup>1</sup> Percents reflect average distribution of various probability surveys conducted during the year but are primarily on beginning-of-year and mid-year surveys. <sup>2</sup> Preliminary. NASS, Livestock Branch, (202) 720-6146.

**Table 8-7.—Official Dairy Herd Improvement test plans: Numbers of herds and cows and milk, fat, and protein production, United States, 1989–98**

Year	Herds	Cows	Cows per herd	Average production			Cows with protein information	Average protein production	Average protein production
				Milk	Fat	Fat			
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>	<i>Percent</i>	<i>Pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>
1989 ...	33,528	3,212,684	95.8	17,612	3.70	652	89	3.22	563
1990 ...	33,263	3,252,990	97.8	18,031	3.67	662	90	3.23	578
1991 ...	31,500	3,146,448	99.9	18,364	3.68	676	91	3.22	588
1992 ...	30,216	3,137,741	103.8	18,750	3.70	695	91	3.22	602
1993 ...	35,484	3,625,542	102.2	18,719	3.68	690	90	3.22	602
1994 ...	33,844	3,620,652	107.0	19,129	3.67	705	90	3.23	616
1995 ...	31,628	3,527,187	111.5	19,271	3.67	710	90	3.22	621
1996 ...	29,416	3,486,010	118.5	19,192	3.70	713	90	3.23	620
1997 ...	27,383	3,402,487	124.3	19,815	3.67	731	89	3.23	639
1998 ...	25,738	3,397,396	132.0	20,209	3.67	745	92	3.22	651

ARS, Animal Improvement Programs Laboratory, (301) 504-8334, rlaip1@aipl.arsusda.gov or http://aipl.arsusda.gov.

**Table 8-8.—Milk and milkfat production: Number of producing cows, production per cow, and total quantity produced, United States, 1989–98**

Year	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced <sup>4</sup>	Total	
		Milk	Milkfat <sup>4</sup>		Milk	Milkfat <sup>4</sup>
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
1989 .....	10,046	14,323	528	3.68	143,893	5,302
1990 .....	9,993	14,782	539	3.65	147,721	5,390
1991 .....	9,826	15,031	550	3.66	147,697	5,405
1992 .....	9,688	15,570	573	3.68	150,847	5,552
1993 .....	9,581	15,722	576	3.66	150,636	5,517
1994 .....	9,494	16,179	592	3.66	153,602	5,621
1995 .....	9,466	16,405	600	3.66	155,292	5,681
1996 .....	9,372	16,433	606	3.69	154,006	5,679
1997 .....	9,252	16,871	617	3.66	156,091	5,706
1998 <sup>3</sup> .....	9,158	17,192	629	3.66	157,441	5,765

<sup>1</sup> Average number during year, excluding heifers not yet fresh. <sup>2</sup> Excludes milk sucked by calves. <sup>3</sup> Preliminary. <sup>4</sup> 1993–97 preliminary.  
 NASS, Livestock Branch, (202) 720-6146.

**Table 8-9.—Milk and milkfat production: Number of milk cows, production per cow, and total quantity produced, by States, 1997**

State	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
AL .....	31	13,484	484	3.59	418	15.0
AK .....	0.9	16,667	562	3.37	15.00	0.5
AZ .....	127	20,976	747	3.56	2,664	94.8
AR .....	53	11,981	423	3.53	635	22.4
CA .....	1,391	19,829	722	3.64	27,582	1,004.0
CO .....	84	19,988	720	3.60	1,679	60.4
CT .....	30	16,967	618	3.64	509	18.5
DE .....	10.0	14,800	543	3.67	148.0	5.4
FL .....	160	15,475	554	3.58	2,476	88.6
GA .....	97	15,340	549	3.58	1,488	53.3
HI .....	9.1	13,516	462	3.42	123	4.2
ID .....	272	19,092	676	3.54	5,193	183.8
IL .....	133	16,564	615	3.71	2,203	81.7
IN .....	137	15,978	590	3.69	2,189	80.8
IA .....	230	16,057	597	3.72	3,693	137.4
KS .....	81	15,864	579	3.65	1,285	46.9
KY .....	148	12,264	442	3.60	1,815	65.3
LA .....	66	12,030	417	3.47	794	27.6
ME .....	41	16,146	588	3.64	662	24.1
MD .....	86	15,419	566	3.67	1,326	48.7
MA .....	26	16,692	618	3.70	434	16.1
MI .....	306	17,680	645	3.65	5,410	197.5
MN .....	569	16,186	604	3.73	9,210	343.5
MS .....	47	13,489	479	3.55	634	22.5
MO .....	177	13,345	486	3.64	2,362	86.0
MT .....	19	15,526	550	3.54	295	10.4
NE .....	69	15,072	556	3.69	1,040	38.4
NV .....	26	18,346	659	3.59	477	17.1
NH .....	20	16,400	618	3.77	328	12.4
NJ .....	21	14,238	515	3.62	299	10.8
NM .....	202	19,856	695	3.50	4,011	140.4
NY .....	699	16,495	605	3.67	11,530	423.2
NC .....	79	16,506	601	3.64	1,304	47.5
ND .....	56	12,732	466	3.66	713	26.1
OH .....	270	16,352	603	3.69	4,415	162.9
OK .....	92	13,576	486	3.58	1,249	44.7
OR .....	90	17,889	653	3.65	1,610	58.8
PA .....	629	16,951	614	3.62	10,661	386.0
RI .....	2.0	15,950	558	3.50	31.9	1.1
SC .....	26	15,269	559	3.66	397	14.5
SD .....	105	13,181	488	3.70	1,384	51.2
TN .....	113	14,239	508	3.57	1,609	57.4
TX .....	378	15,259	546	3.58	5,768	206.5
UT .....	91	16,923	609	3.60	1,540	55.4
VT .....	160	16,250	605	3.72	2,600	96.7
VA .....	125	14,864	529	3.56	1,858	66.1
WA .....	253	20,968	763	3.64	5,305	193.1
WV .....	18	14,778	542	3.67	266	9.8
WI .....	1,393	16,057	605	3.77	22,368	843.3
WY .....	6.6	12,697	461	3.63	83.8	3.0
US <sup>3</sup> .....	9,252	16,871	617	3.66	156,091	5,705.9

<sup>1</sup> Average number during year, excluding heifers not yet fresh. U.S. total may not add due to rounding. <sup>2</sup> Excludes milk sucked by calves. <sup>3</sup> Sum of parts may not equal due to rounding.

NASS, Livestock Branch, (202) 720-6146.

**Table 8-10.—Milk and milkfat production: Number of milk cows, production per cow, and total quantity produced, by States, 1998 (preliminary)**

State	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
AL	28	13,786	505	3.66	386	14.1
AK	0.9	15,922	535	3.36	14.33	0.5
AZ	131	20,458	730	3.57	2,680	95.7
AR	49	13,041	469	3.60	639	23.0
CA	1,420	19,442	714	3.67	27,607	1,013.2
CO	83	20,349	737	3.62	1,689	61.1
CT	30	17,633	638	3.62	529	19.1
DE	11.0	14,827	547	3.69	163.1	6.0
FL	160	14,588	522	3.58	2,334	83.6
GA	93	15,452	558	3.61	1,437	51.9
HI	8.9	14,494	497	3.43	129	4.4
ID	292	19,743	705	3.57	5,765	205.8
IL	128	16,570	611	3.69	2,121	78.3
IN	136	16,154	593	3.67	2,197	80.6
IA	223	17,188	641	3.73	3,833	143.0
KS	82	15,915	579	3.64	1,305	47.5
KY	140	12,214	442	3.62	1,710	61.9
LA	63	11,921	412	3.46	751	26.0
ME	41	16,585	600	3.62	680	24.6
MD	86	15,581	575	3.69	1,340	49.4
MA	26	16,846	622	3.69	438	16.2
MI	300	17,970	652	3.63	5,391	195.7
MN	551	16,833	623	3.70	9,275	343.2
MS	42	13,786	496	3.60	579	20.8
MO	170	13,924	507	3.64	2,367	86.2
MT	18	16,167	577	3.57	291	10.4
NE	70	15,000	554	3.69	1,050	38.7
NV	25	18,640	669	3.59	466	16.7
NH	20	16,700	623	3.73	334	12.5
NJ	19	15,368	542	3.53	292	10.3
NM	217	20,065	704	3.51	4,354	152.8
NY	701	16,748	613	3.66	11,740	429.7
NC	75	16,800	617	3.67	1,260	46.2
ND	51	13,843	508	3.67	706	25.9
OH	264	16,629	614	3.69	4,390	162.0
OK	92	13,435	477	3.55	1,236	43.9
OR	89	17,787	649	3.65	1,583	57.8
PA	623	17,411	644	3.70	10,847	401.3
RI	2.1	15,714	581	3.70	33.0	1.2
SC	25	14,960	548	3.66	374	13.7
SD	102	14,069	519	3.69	1,435	53.0
TN	105	14,295	520	3.64	1,501	54.6
TX	352	15,923	568	3.57	5,605	200.1
UT	90	16,811	610	3.63	1,513	54.9
VT	161	16,801	622	3.70	2,705	100.1
VA	124	14,847	540	3.64	1,841	67.0
WA	248	21,476	786	3.66	5,326	194.9
WV	18	15,444	570	3.69	278	10.3
WI	1,369	16,685	622	3.73	22,842	852.0
WY	6.1	13,082	474	3.62	79.8	2.9
US <sup>3</sup>	9,158	17,192	629	3.66	157,441	5,764.8

<sup>1</sup> Average number during year, excluding heifers not yet fresh. U.S. total may not add due to rounding. <sup>2</sup> Excludes milk sucked by calves. <sup>3</sup> Sum of parts may not equal due to rounding.  
 NASS, Livestock Branch, (202) 720-6146.

**Table 8-11.—Milk: Quantities used and marketed by producers, by States, 1998  
(preliminary)**

State	Milk used where produced			Milk marketed by producers		
	Fed to calves <sup>1</sup>	Used for milk, cream, and butter	Total	Sold to plants and dealers <sup>2</sup>	Sold directly to consumers <sup>3,4</sup>	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
AL .....	3	1	4	382	.....	382
AK .....	0.5	0.4	0.9	13.23	0.2	13.43
AZ .....	11	1	12	2,668	.....	2,668
AR .....	10	3	13	626	.....	626
CA .....	20	3	23	27,169	415	27,584
CO .....	27	7	34	1,610	45	1,655
CT .....	5	1	6	510	13	523
DE .....	1.0	.....	1.0	162.1	.....	162.1
FL .....	4	1	5	2,329	.....	2,329
GA .....	11	1	12	1,425	.....	1,425
HI .....	1.8	0.9	2.7	126.3	.....	126.3
ID .....	43	4	47	5,718	.....	5,718
IL .....	19	2	21	2,100	.....	2,100
IN .....	30	10	40	2,157	.....	2,157
IA .....	27	10	37	3,796	.....	3,796
KS .....	12	1	13	1,292	.....	1,292
KY .....	31	10	41	1,669	.....	1,669
LA .....	11	2	13	738	.....	738
ME .....	8	1	9	663	8	671
MD .....	6	3	9	1,331	.....	1,331
MA .....	5	1	6	415	17	432
MI .....	40	3	43	5,330	18	5,348
MN .....	95	10	105	9,170	.....	9,170
MS .....	3	1	4	575	.....	575
MO .....	25	5	30	2,337	.....	2,337
MT .....	7	4	11	280	.....	280
NE .....	15	10	25	1,025	.....	1,025
NV .....	5	1	6	460	.....	460
NH .....	5	1	6	328	.....	328
NJ .....	3	1	4	288	.....	288
NM .....	13	6	19	4,290	45	4,335
NY .....	130	17	147	11,581	12	11,593
NC .....	12	10	22	1,238	.....	1,238
ND .....	14	2	16	690	.....	690
OH .....	24	10	34	4,356	.....	4,356
OK .....	12	4	16	1,220	.....	1,220
OR .....	21	4	25	1,493	65	1,558
PA .....	65	11	76	10,506	265	10,771
RI .....	0.7	.....	0.7	32.3	.....	32.3
SC .....	2	1	3	369	2	371
SD .....	12	2	14	1,421	.....	1,421
TN .....	10	1	11	1,490	.....	1,490
TX .....	21	1	22	5,583	.....	5,583
UT .....	10	2	12	1,446	55	1,501
VT .....	26	5	31	2,668	6	2,674
VA .....	11	2	13	1,828	.....	1,828
WA .....	26	1	27	5,109	190	5,299
WV .....	2	1	3	275	.....	275
WI .....	229	55	284	22,558	.....	22,558
WY .....	1.7	0.2	1.9	77.9	.....	77.9
US <sup>5</sup> .....	1,127	235	1,361	154,924	1,156	156,080

<sup>1</sup>Excludes milk sucked by calves. <sup>2</sup>Includes milk produced by dealers' own herds and small amounts sold directly to consumers. Also included equivalent amounts of milk for cream sold to plants and dealers. <sup>3</sup>Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds. <sup>4</sup>For states not published, sales included in milk sold to plants. <sup>5</sup>Sum of parts may not equal total due to rounding.

NASS, Livestock Branch, (202) 720-6146.



**Table 8-12.—Milk: Cows, yield per cow, and production in specified countries, 1996–98**

Country and continent	Milk cows			Per cow yield			Milk production		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
	1,000 head	1,000 head	1,000 head	Kilo grams	Kilo grams	Kilo grams	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada .....	1,237	1,253	1,242	6,378	6,464	6,602	7,890	8,100	8,200
Mexico .....	6,440	6,500	6,600	1,178	1,208	1,212	7,586	7,850	8,000
United States .....	9,372	9,252	9,158	7,466	7,678	7,824	69,971	71,035	71,650
Total .....	17,049	17,005	17,000	.....	.....	.....	85,447	86,985	87,850
South America:									
Argentina .....	2,300	2,400	2,500	3,870	3,775	3,760	8,900	9,060	9,400
Brazil .....	17,100	17,067	16,900	1,139	1,207	1,280	19,480	20,600	21,630
Chile .....	720	725	615	2,753	2,913	3,553	1,982	2,112	2,185
Peru .....	553	575	610	1,320	1,478	1,492	730	850	910
Venezuela .....	608	600	780	1,974	1,917	1,588	1,200	1,150	1,239
Total .....	21,281	21,367	21,405	.....	.....	.....	32,292	33,772	35,364
European Union:									
Austria .....	698	685	671	4,304	4,467	4,656	3,004	3,060	3,124
Belgium-Luxembourg .....	682	657	650	5,397	5,571	5,323	3,681	3,660	3,460
Denmark .....	712	697	695	6,594	6,647	6,705	4,695	4,633	4,660
Finland .....	399	393	388	6,093	6,260	6,314	2,431	2,460	2,450
France .....	4,672	4,567	4,476	5,369	5,465	5,518	25,083	24,957	24,700
Germany .....	5,229	5,195	5,026	5,503	5,525	5,671	28,776	28,700	28,500
Greece .....	205	200	198	3,341	3,400	3,434	685	680	680
Ireland .....	1,267	1,272	1,275	4,481	4,421	4,377	5,677	5,623	5,581
Italy .....	2,100	2,100	2,100	5,143	5,151	5,143	10,800	10,818	10,800
Netherlands .....	1,664	1,660	1,600	6,618	6,580	7,000	11,013	10,922	11,200
Portugal .....	366	364	362	4,727	4,890	4,890	1,730	1,780	1,770
Spain .....	1,350	1,300	1,322	4,370	4,385	4,236	5,900	5,700	5,600
Sweden .....	466	473	454	7,122	6,983	7,275	3,319	3,303	3,303
United Kingdom .....	2,130	2,090	2,053	6,873	7,096	7,112	14,640	14,830	14,600
Total .....	21,940	21,653	21,270	.....	.....	.....	121,434	121,126	120,428
Western Europe:									
Switzerland .....	752	742	735	5,128	5,212	5,238	3,856	3,867	3,850
Total .....	752	742	735	.....	.....	.....	3,856	3,867	3,850
Eastern Europe:									
Poland .....	3,442	3,550	3,496	3,396	3,375	3,461	11,690	11,980	12,100
Romania .....	1,776	1,740	1,690	3,090	3,098	3,124	5,488	5,390	5,280
Total .....	5,218	5,290	5,186	.....	.....	.....	17,178	17,370	17,380
Former Soviet Union:									
Russia .....	17,450	15,900	14,500	2,052	2,145	2,345	35,800	34,100	34,000
Ukraine .....	7,200	6,265	6,250	2,222	2,179	2,192	16,000	13,650	13,700
Total .....	24,650	22,165	20,750	.....	.....	.....	51,800	47,750	47,700
South Asia:									
India <sup>1</sup> .....	33,500	34,500	35,000	1,000	1,000	1,014	33,500	34,500	35,500
Total .....	33,500	34,500	35,000	.....	.....	.....	33,500	34,500	35,500
Asia:									
China .....	2,071	2,120	2,170	3,040	3,148	3,318	6,296	6,674	7,200
Japan .....	1,035	1,032	1,022	8,364	8,374	8,366	8,657	8,642	8,550
Total .....	3,106	3,152	3,192	.....	.....	.....	14,953	15,316	15,750
Oceania:									
Australia <sup>2</sup> .....	1,822	1,977	2,002	4,916	4,691	4,823	8,957	9,274	9,655
New Zealand <sup>3</sup> .....	3,153	3,260	3,270	3,300	3,528	3,560	10,405	11,500	11,640
Total .....	4,975	5,237	5,272	.....	.....	.....	19,362	20,774	21,295
World total .....	132,471	131,111	129,810	.....	.....	.....	379,779	381,176	383,789

<sup>1</sup> Year beginning April 1 of the year shown. <sup>2</sup> Year ending June 30 of the year shown. <sup>3</sup> Year ending May 31 of the year shown.

FAS, Dairy, Livestock and Poultry Division, (202) 720-3761. Data from counselor/attache reports and official statistics.

**Table 8-13.—Milk Production: Marketings, income, and value, by States, 1998  
(preliminary)**

State	Milk sold to plants and dealers <sup>1</sup>				Milk sold directly to consumers <sup>2</sup>		
	Quantity	Percent fluid grade <sup>3</sup>	Price per 100 pounds	Cash receipts	Quantity	Price per quart	Cash receipts
	<i>Million pounds</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 quarts</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL .....	382	100	16.50	63,030	.....	.....	.....
AK .....	13.23	100	20.30	2,686	93	0.90	84
AZ .....	2,668	100	14.60	389,528	.....	.....	.....
AR .....	626	100	15.60	97,656	.....	.....	.....
CA .....	27,169	99	15.01	4,078,067	193,023	1.10	212,325
CO .....	1,610	100	15.00	241,500	20,930	0.90	18,837
CT .....	510	100	16.00	81,600	6,047	0.80	4,838
DE .....	162.1	100	15.70	25,450	.....	.....	.....
FL .....	2,329	100	18.20	423,878	.....	.....	.....
GA .....	1,425	100	16.60	236,550	.....	.....	.....
HI .....	126.3	100	26.36	33,293	.....	.....	.....
ID .....	5,718	97	14.50	829,110	.....	.....	.....
IL .....	2,100	96	15.10	317,100	.....	.....	.....
IN .....	2,157	94	14.80	319,236	.....	.....	.....
IA .....	3,796	94	15.40	584,584	.....	.....	.....
KS .....	1,292	98	14.70	189,924	.....	.....	.....
KY .....	1,669	98	15.50	258,695	.....	.....	.....
LA .....	738	100	16.20	119,556	.....	.....	.....
ME .....	663	100	15.80	104,754	3,721	0.57	2,121
MD .....	1,331	100	15.70	208,967	.....	.....	.....
MA .....	415	100	16.40	68,060	7,907	0.70	5,535
MI .....	5,330	99	15.30	815,490	8,372	0.65	5,442
MN .....	9,170	93	15.55	1,425,935	.....	.....	.....
MS .....	575	100	16.20	93,150	.....	.....	.....
MO .....	2,337	95	15.60	364,572	.....	.....	.....
MT .....	280	100	15.00	42,000	.....	.....	.....
NE .....	1,025	94	15.10	154,775	.....	.....	.....
NV .....	460	100	13.80	63,480	.....	.....	.....
NH .....	328	100	16.30	53,464	.....	.....	.....
NJ .....	288	100	15.60	44,928	.....	.....	.....
NM .....	4,290	100	14.80	634,920	20,930	0.88	18,418
NY .....	11,581	100	15.40	1,783,474	5,581	0.69	3,851
NC .....	1,238	99	16.90	209,222	.....	.....	.....
ND .....	690	65	14.30	98,670	.....	.....	.....
OH .....	4,356	94	15.20	662,112	.....	.....	.....
OK .....	1,220	100	15.60	190,320	.....	.....	.....
OR .....	1,493	99	15.50	231,415	30,233	0.60	18,140
PA .....	10,506	99	15.80	1,659,948	123,256	0.58	71,488
RI .....	32.3	100	16.30	5,265	.....	.....	.....
SC .....	369	100	16.40	60,516	930	0.87	809
SD .....	1,421	61	15.50	220,255	.....	.....	.....
TN .....	1,490	98	15.90	236,910	.....	.....	.....
TX .....	5,583	100	15.70	876,531	.....	.....	.....
UT .....	1,446	92	14.60	211,116	25,581	0.68	17,395
VT .....	2,668	100	16.00	426,880	2,791	0.69	1,926
VA .....	1,828	99	16.20	296,136	.....	.....	.....
WA .....	5,109	100	15.40	786,786	88,372	0.64	56,558
WV .....	275	99	15.40	42,350	.....	.....	.....
WI .....	22,558	93	15.50	3,496,490	.....	.....	.....
WY .....	77.9	80	13.70	10,672	.....	.....	.....
US .....	154,924	97	15.41	23,871,006	537,767	0.814	437,767

See footnotes at end of table.

**Table 8-13.—Milk Production: Marketings, income, and value, by States, 1998 (preliminary)—Continued**

State	Combined marketing of milk and cream				Used for milk, cream, and butter where produced		Gross producer income <sup>6</sup>	Value of milk produced <sup>5,7</sup>
	Milk utilized	Average returns <sup>4</sup>		Cash receipts from marketings	Milk utilized	Value <sup>5</sup>		
		Per 100 cwt milk	Per lb. milkfat					
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL .....	382	16.50	4.51	63,030	1	165	63,195	63,690
AK .....	13.43	20.63	6.14	2,770	0.4	83	2,853	2,956
AZ .....	2,668	14.60	4.09	389,528	1	146	389,674	391,280
AR .....	626	15.60	4.33	97,656	3	468	98,124	99,684
CA .....	27,584	15.55	4.24	4,290,392	3	467	4,290,859	4,293,969
CO .....	1,655	15.73	4.35	260,337	7	1,101	261,438	265,685
CT .....	523	16.53	4.57	86,438	1	165	86,603	87,430
DE .....	162.1	15.70	4.25	25,450	.....	.....	25,450	25,607
FL .....	2,329	18.20	5.08	423,878	1	182	424,060	424,788
GA .....	1,425	16.60	4.60	236,550	1	166	236,716	238,542
HI .....	126.3	26.36	7.69	33,293	0.9	237	33,530	34,005
ID .....	5,718	14.50	4.06	829,110	4	580	829,690	835,925
IL .....	2,100	15.10	4.09	317,100	2	302	317,402	320,271
IN .....	2,157	14.80	4.03	319,236	10	1,480	320,716	325,156
IA .....	3,796	15.40	4.13	584,584	10	1,540	586,124	590,282
KS .....	1,292	14.70	4.04	189,924	1	147	190,071	191,835
KY .....	1,669	15.50	4.28	258,695	10	1,550	260,245	265,050
LA .....	738	16.20	4.68	119,556	2	324	119,880	121,662
ME .....	671	15.93	4.40	106,875	1	159	107,034	108,308
MD .....	1,331	15.70	4.25	208,967	3	471	209,438	210,380
MA .....	432	17.04	4.62	73,595	1	170	73,765	74,617
MI .....	5,348	15.35	4.23	820,932	3	461	821,393	827,533
MN .....	9,170	15.55	4.20	1,425,935	10	1,555	1,427,490	1,442,263
MS .....	575	16.20	4.50	93,150	1	162	93,312	93,798
MO .....	2,337	15.60	4.29	364,572	5	780	365,352	369,252
MT .....	280	15.00	4.20	42,000	4	600	42,600	43,650
NE .....	1,025	15.10	4.09	154,775	10	1,510	156,285	158,550
NV .....	460	13.80	3.84	63,480	1	138	63,618	64,308
NH .....	328	16.30	4.37	53,464	1	163	53,627	54,442
NJ .....	288	15.60	4.42	44,928	1	156	45,084	45,552
NM .....	4,335	15.07	4.29	653,338	6	904	654,242	656,202
NY .....	11,593	15.42	4.21	1,787,325	17	2,621	1,789,946	1,809,988
NC .....	1,238	16.90	4.60	209,222	10	1,690	210,912	212,940
ND .....	690	14.30	3.90	98,670	2	286	98,956	100,958
OH .....	4,356	15.20	4.12	662,112	10	1,520	663,632	667,280
OK .....	1,220	15.60	4.39	190,320	4	624	190,944	192,816
OR .....	1,558	16.02	4.39	249,555	4	641	250,196	253,559
PA .....	10,771	16.07	4.34	1,731,436	11	1,768	1,733,204	1,743,653
RI .....	32.3	16.30	4.41	5,265	.....	.....	5,265	5,379
SC .....	371	16.53	4.52	61,325	1	165	61,490	61,821
SD .....	1,421	15.50	4.20	220,255	2	310	220,565	222,425
TN .....	1,490	15.90	4.37	236,910	1	159	237,069	238,659
TX .....	5,583	15.70	4.40	876,531	1	157	876,688	879,985
UT .....	1,501	15.22	4.19	228,511	2	304	228,815	230,338
VT .....	2,674	16.04	4.33	428,806	5	802	429,608	433,777
VA .....	1,828	16.20	4.45	296,136	2	324	296,460	298,242
WA .....	5,299	15.92	4.35	843,344	1	159	843,503	847,641
WV .....	275	15.40	4.17	42,350	1	154	42,504	42,812
WI .....	22,558	15.50	4.16	3,496,490	55	8,525	3,505,015	3,540,510
WY .....	77.9	13.70	3.78	10,672	0.2	27	10,699	10,932
US .....	156,080	15.57	4.25	24,308,773	235	36,568	24,345,341	24,520,387

<sup>1</sup> Includes the equivalent amount of milk for cream sold to plants and dealers. <sup>2</sup> Some States not published to avoid disclosing individual operations. <sup>3</sup> Percentage of milk sold to plants and dealers that is eligible for fluid use. <sup>4</sup> Cash receipts divided by milk or milkfat in combined marketings. <sup>5</sup> Value at averaged returns per 100 pounds of milk in combined marketings of milk and cream. <sup>6</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption. <sup>7</sup> Includes value of milk fed to calves.

**Table 8-14.—Milk Production: Marketings, income and value, United States, 1989–98**

Year	Milk sold to plants and dealers			Milk sold directly to consumers		
	Quantity	Price per 100 pounds	Cash receipts	Quantity	Price per quart	Cash receipts
	<i>Million pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 quarts</i>	<i>Cents</i>	<i>1,000 dollars</i>
1989 .....	140,795	13.56	19,097,059	482,884	53.9	260,247
1990 .....	144,772	13.74	19,889,975	443,349	56.1	248,550
1991 .....	144,742	12.27	17,752,657	456,372	55.6	253,953
1992 .....	147,905	13.15	19,451,103	488,465	58.2	284,498
1993 .....	147,933	12.84	18,998,047	445,674	58.4	260,395
1994 .....	150,678	13.01	19,606,089	588,930	63.6	374,494
1995 .....	152,442	12.78	19,487,042	601,953	64.7	389,311
1996 .....	151,232	14.75	22,307,546	604,279	78.4	473,889
1997 .....	153,405	13.36	20,496,289	601,023	73.3	440,437
1998 <sup>1</sup> .....	154,924	15.41	23,871,006	537,767	81.4	437,767

Year	Combined marketings of milk and cream				Used for milk, cream, and butter on farms where produced		Gross farm income from dairy products <sup>4</sup>	Farm value of all milk produced <sup>5</sup>
	Milk utilized	Average returns <sup>2</sup>		Cash receipts from marketings	Milk utilized	Value <sup>3</sup>		
		Per 100 pounds milk	Per pound milkfat					
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1989 .....	141,834	13.65	3.70	19,357,306	563	78,102	19,435,407	19,640,390
1990 .....	145,725	13.82	3.79	20,138,525	512	72,517	20,211,042	20,418,351
1991 .....	145,723	12.36	3.38	18,006,611	494	61,972	18,068,583	18,252,108
1992 .....	148,955	13.25	3.60	19,735,601	455	61,470	19,797,071	19,989,087
1993 .....	148,891	12.93	3.53	19,258,442	415	54,699	19,313,144	19,487,104
1994 .....	151,944	13.15	3.59	19,980,583	390	52,378	20,032,961	20,201,639
1995 .....	153,737	12.93	3.53	19,876,353	340	44,522	19,920,875	20,079,217
1996 .....	152,531	14.94	4.05	22,781,435	301	45,304	22,826,739	23,002,715
1997 .....	154,697	13.53	3.70	20,936,726	256	34,854	20,971,580	21,125,886
1998 <sup>1</sup> .....	156,080	15.57	4.25	24,308,773	235	36,568	24,345,341	24,520,387

<sup>1</sup> Preliminary. <sup>2</sup> Cash receipts divided by milk or milkfat represented in combined marketings. <sup>3</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. <sup>4</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter. <sup>5</sup> Includes value of milk fed to calves. NASS, Livestock Branch, (202) 720-6146.

**Table 8-15.—Milk: Quantities used and marketed by farmers, United States, 1989–98**

Year	Milk used on farms where produced			Milk marketed by producers		
	Fed to calves <sup>1</sup>	Consumed as fluid milk or cream	Total	Sold to plants and dealers <sup>2</sup> as whole milk	Sold directly to consumers <sup>3</sup>	Total
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1989 .....	1,496	563	2,059	140,795	1,038	141,834
1990 .....	1,484	512	1,996	144,772	953	145,725
1991 .....	1,480	494	1,974	144,742	981	145,723
1992 .....	1,436	455	1,892	147,943	1,050	148,993
1993 .....	1,330	415	1,745	147,933	958	148,891
1994 .....	1,267	390	1,657	150,678	1,266	151,944
1995 .....	1,216	340	1,556	152,442	1,294	153,737
1996 .....	1,175	301	1,476	151,232	1,299	152,531
1997 .....	1,138	256	1,394	153,405	1,292	154,697
1998 <sup>4</sup> .....	1,127	235	1,361	154,924	1,156	156,080

<sup>1</sup> Excludes milk sucked by calves. <sup>2</sup> Includes milk produced by dealers' own herds. <sup>3</sup> Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds. <sup>4</sup> Preliminary. NASS, Livestock Branch, (202) 720-6146.

**Table 8-16.—Federal milk order markets: Measures of growth, 1989–98<sup>1</sup>**

Year	Number of markets <sup>2</sup>		Population of Federal milk marketing areas <sup>3</sup>		Number of Handlers <sup>2</sup>		Number of Producers <sup>4</sup>		Producer deliveries		Producer deliveries used in Class I		Percentage of producer deliveries used in Class I	
	<i>Number</i>	<i>Thousands</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>		
1989 .....	41	185,919	748	100,291	95,871	43,367	45.2							
1990 .....	42	195,841	753	100,397	102,396	43,783	42.8							
1991 .....	40	198,409	722	100,267	103,252	45,033	43.6							
1992 .....	40	200,530	698	97,803	107,947	44,914	41.6							
1993 .....	38	199,604	675	92,934	103,979	44,805	43.1							
1994 .....	38	201,561	629	91,397	107,811	44,866	41.6							
1995 .....	33	207,548	571	88,717	108,548	45,004	41.5							
1996 .....	32	209,599	570	82,947	104,501	45,479	43.5							
1997 .....	31	208,379	570	78,422	105,224	44,917	42.7							
1998 .....	31	210,484	523	72,373	99,222	44,973	45.3							

Year	Prices at 3.5 percent butterfat content per hundredweight <sup>5</sup>		Receipts as percentage of milk sold to plants and dealers		Daily deliveries per producer	Gross value of blend price adjusted for butterfat content	
	Class I	Blend	Fluid grade	All milk		Per producer	All producers
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>		<i>Pounds</i>	<i>Dollars</i>
1989 .....	14.51	13.30	75	68	2,614	129,744	13,012,796
1990 .....	15.55	13.78	77	70	2,796	142,324	14,289,567
1991 .....	13.30	12.11	76	71	2,821	121,479	12,180,354
1992 .....	14.57	13.12	77	73	3,017	146,452	14,323,698
1993 .....	14.19	12.89	73	69	3,073	145,350	13,507,974
1994 .....	14.75	13.16	75	71	3,232	156,253	14,281,193
1995 .....	14.19	12.79	75	71	3,350	157,754	13,995,454
1996 .....	16.19	14.64	72	69	3,442	187,713	15,570,261
1997 .....	14.36	13.10	71	69	3,676	178,424	13,992,366
1998 .....	16.14	14.92	66	64	3,746	196,288	14,206,343

<sup>1</sup>Beginning in 1988, handlers started to elect not to pool substantial volumes of milk that normally would have been pooled under Federal orders. This decision resulted from disadvantageous blend/class price relationships and qualification circumstances. This fact should be kept in mind if year-to-year comparisons are made using the "producer deliveries" measures of growth. <sup>2</sup>End of year. <sup>3</sup>End of year. Data for 1990 according to 1990 U.S. census of population. Data for 1988-89, and 1991-98 are estimated. <sup>4</sup>Average for year. <sup>5</sup>Prices are weighted averages.

Table 8-17.—Dairy products: Quantities manufactured, United States, 1991–98

Product	1991	1992	1993	1994	1995	1996	1997	1998 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Creamery butter .....	1,335,782	1,365,164	1,315,198	1,295,942	1,264,474	1,174,475	1,151,250	1,081,879
American cheese:								
Whole milk .....	2,768,925	2,936,561	2,957,260	2,974,420	3,131,390	3,280,733	3,285,558	3,325,836
Part skim .....	841	1,177	3,727	24,723	24,008			
Swiss cheese .....	234,489	237,304	231,441	221,243	221,713	219,047	207,583	206,408
Muenster cheese .....	106,352	116,385	117,468	113,587	109,128	106,815	100,191	94,615
Brick cheese .....	15,298	15,476	12,488	12,222	10,426	10,647	8,535	7,578
Limburger cheese ....	715	985	863	849	868	719	746	865
Cream and Neuf- chatel cheese .....	446,693	516,654	539,907	573,394	543,789	574,700	614,921	623,544
Blue cheese .....	34,371	33,307	33,295	36,514	36,593		38,311	43,944
Hispanic cheese .....						67,417	68,833	75,993
All Italian varieties of cheese .....								
All other varieties of cheese .....	2,328,624	2,508,577	2,494,521	2,625,702	2,674,390	2,812,397	2,881,445	3,001,106
Total of all cheese .....	118,547	121,865	137,202	152,037	164,591	106,692	119,829	122,014
Total of all cheese .....	6,054,855	6,488,291	6,528,172	6,734,691	6,916,896	7,217,518	7,330,414	7,501,903
Cottage cheese:								
Curd <sup>2</sup> .....	490,909	502,411	471,364	463,283	458,918	448,327	458,460	464,889
Creamed <sup>2</sup> .....	497,928	457,340	430,518	409,954	384,889	360,413	359,525	366,761
Lowfat <sup>2</sup> .....	321,109	329,504	317,009	321,077	325,928	329,890	346,687	361,876
Sweetened condensed milk:								
Bulk goods:								
Skimmed .....	125,161	126,380	97,690	56,582	48,610	39,031	46,347	37,810
Unskimmed .....	132,579	129,704	139,211	118,800	108,949	114,933	134,636	79,766
Unsweetened condensed milk:								
Bulk goods:								
Skimmed .....	1,122,060	1,196,110	1,269,557	1,333,310	1,121,027	1,015,432	1,000,188	1,055,694
Unskimmed .....	150,037	162,912	99,034	84,774	93,253	100,407	93,851	91,682
Evaporated and condensed milk:								
Case goods:								
Skimmed .....	16,952	16,456	22,235	26,664	26,077	28,681	29,836	28,701
Unskimmed .....	543,094	582,115	534,507	537,881	476,656	463,613	549,129	468,070
Condensed or evapo- rated buttermilk ....	39,572	46,026	46,525	34,133	36,977	32,142	30,867	29,771
Dry buttermilk .....	59,928	61,077	50,988	52,307	54,761	48,777	49,308	52,277
Dry whole milk .....	106,778	168,322	153,830	166,786	171,317	134,351	122,091	142,523
Nonfat dry milk .....	877,525	872,123	954,485	1,230,855	1,232,994	1,061,771	1,217,562	1,135,383
Dry skim milk (animal feed) .....	7,216	9,948	9,802	11,187	9,560	6,279	5,291	4,770
Dry whey .....	1,167,394	1,237,283	1,196,378	1,211,787	1,147,265	1,116,514	1,136,824	1,179,824
Yogurt plain & fruit flavored .....	1,052,978	1,153,921	1,285,836	1,392,521	1,645,938	1,588,142	1,574,050	1,616,038
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
Ice cream, regular <sup>3</sup> ..	862,638	866,110	866,248	876,097	862,232	878,572	913,770	937,485
Ice cream, lowfat <sup>4</sup> ....	341,793	328,185	325,346	358,605	356,861	366,126	385,689	409,318
Ice cream, nonfat .....					43,851	41,426	40,640	43,105
Sherbet (does not in- clude water ices) ..	47,379	49,940	50,813	54,093	53,496	52,611	53,077	56,365
Frozen yogurt .....	147,137	134,067	149,933	150,565	152,097	114,168	92,167	87,777

<sup>1</sup> Preliminary. <sup>2</sup> Cottage cheese curd includes pot and bakers' cheese. Creamed cottage cheese contains not less than 4 percent milkfat. Lowfat cottage cheese contains less than 4 percent milkfat. <sup>3</sup> Contains minimum milkfat content of 10 percent and not less than 4.5 pounds per gallon. <sup>4</sup> Includes freezer-made milkshake in most States. Contains less than 10 percent milkfat required for ice cream.

NASS, Livestock Branch, (202) 720-6146.

**Table 8-18.—Dairy products: Factory production of specified items, by States, 1997–98**

State	Butter		Total American cheese <sup>2</sup>		Total cheese <sup>3</sup>	
	1997	1998 <sup>1</sup>	1997	1998 <sup>1</sup>	1997	1998 <sup>1</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
CA .....	314,207	226,560	476,102	505,762	1,174,171	1,242,889
ID .....			427,952	469,781	471,928	514,953
IL .....					120,199	112,307
IA .....			102,481	107,903	234,252	245,566
KS .....			27,708		27,708	
MA .....						1,059
MI .....						
MN .....	61,070	65,956	541,837	558,401	642,013	616,933
MO .....					166,713	154,700
NE .....					96,151	100,394
NJ .....					41,828	
NM .....			61,523		189,686	
NY .....	24,501	21,217	93,388		616,689	630,865
ND .....	4,004	4,443	21,284	19,184	21,284	19,184
OH .....			32,576	34,571	111,542	120,448
OR .....	23,212	22,697	50,320	54,087		
PA .....	61,501	88,618			342,776	360,562
SD .....			50,997	55,697	135,690	136,889
TN .....	31,122		13,407	3,212		
UT .....			29,679	30,052	63,531	63,282
VT .....					101,880	
WA .....	91,230	71,902	66,659	116,461	121,085	173,365
WI .....	303,444	303,011	944,003	931,408	2,119,317	2,116,456
Other .....	236,959	277,475	345,642	439,317	531,971	892,051
US ..	1,151,250	1,081,879	3,285,558	3,325,836	7,330,414	7,501,903

See footnotes at end of table.

**Table 8-18.—Dairy products: Factory production of specified items, by States, 1997-98—Continued**

State	Evaporated and sweetened condensed whole milk (case goods)		Nonfat dry milk for human food <sup>4</sup>		Total ice cream, regular	
	1997	1998 <sup>1</sup>	1997	1998 <sup>1</sup>	1997	1998 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
AK .....						
AZ .....						5,758
CA .....			548,512	507,135	116,151	116,192
CO .....						
FL .....					23,945	25,590
GA .....						
ID .....					7,054	6,455
IL .....					35,482	
IN .....					61,497	64,251
IA .....			58,228			
KS .....					3,715	
KY .....					4,954	
MD .....						
MI .....					27,973	24,198
MN .....			34,261	21,412	41,593	42,521
MO .....					15,096	19,802
NM .....			23,723	39,135	4,813	4,622
NY .....					33,353	34,005
NC .....					22,994	21,603
ND .....			386	289	1,126	1,141
OH .....					40,972	40,427
OR .....					10,374	10,542
PA .....				75,426		49,118
SC .....						10,837
TN .....					14,166	16,957
TX .....					53,393	59,168
UT .....					14,437	12,629
WA .....			171,648	140,161	20,670	20,137
WI .....					13,042	11,489
Other .....			380,804	351,825	346,970	340,043
US .....	549,129	468,070	1,217,562	1,135,383	913,770	937,485

<sup>1</sup> Preliminary. <sup>2</sup> Includes Colby, washed curd, high and low moisture Jack, and Monterey. <sup>3</sup> Includes full-skim American cheese; excludes cottage cheese. <sup>4</sup> MN and WI data combined and reported under MN.  
 NASS, Livestock and Economics Branch, (202) 720-6146.



**Table 8-19.—Milk cows, milk, and fat in cream: Average prices received by farmers, United States, 1989–98**

Year	Milk cows, per head <sup>1</sup>	Milk per 100 pounds <sup>2</sup>					
		Eligible for fluid market <sup>3</sup>		Of manufacturing grade		All milk wholesale	
		Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	Price per 100 lb.	Fat test
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>
1989	1,030.00	13.66	3.68	12.38	3.70	13.56	3.68
1990	1,160.00	13.89	3.64	12.34	3.70	13.74	3.65
1991	1,100.00	12.30	3.65	11.05	3.71	12.27	3.66
1992	1,130.00	13.19	3.68	11.91	3.73	13.15	3.68
1993	1,160.00	12.88	3.66	11.80	3.76	12.84	3.66
1994	1,170.00	13.02	3.65	11.85	3.76	13.01	3.66
1995	1,130.00	12.80	3.65	11.79	3.75	12.78	3.66
1996	1,090.00	14.79	3.69	13.43	3.78	14.75	3.69
1997	1,100.00	13.40	3.65	12.17	3.77	13.36	3.66
1998	1,120.00	15.44	3.65	14.33	3.75	15.41	3.66

<sup>1</sup> Simple average of monthly prices, by States, weighted by the number of milk cows on farms Jan. 1 of the current year. <sup>2</sup> Average price at average fat test for all milk sold at wholesale to plants and dealers, based on reports from milk-market administrators, cooperative milk-market associations, whole-milk distributors, and milk-products manufacturing plants, f.o.b. plant or receiving station (whichever is the customary place for determining prices) before hauling costs are deducted and including all premiums. <sup>3</sup> Milk eligible for fluid market, including surplus diverted to manufacturing.  
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-3570.

**Table 8-20.—Dairy products: Manufacturers' average selling price<sup>1</sup> of specified products, United States, 1989–98**

Year	Nonfat dry milk for human food, per pound, f.o.b. factory	Dry skim milk for animal feed, per pound, f.o.b. factory	Dry whole milk, per pound, f.o.b. factory
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1989	95.16	64.45	126.03
1990	94.29	60.03	126.29
1991	88.29	54.72	109.20
1992	102.41	56.77	116.11
1993	107.34	55.80	113.02
1994	105.96	52.54	114.18
1995	105.31	50.13	111.89
1996	117.36	60.22	128.31
1997	107.96	59.49	117.60
1998	105.61	61.62	129.47

<sup>1</sup> Includes milk sold in bulk and in package.  
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-3570.

**Table 8-21.—Dairy products: Manufacturers' stocks, end of month, United States, 1997 and 1998**

Month	Evaporated and sweetened condensed whole milk (case goods)		Dry whole milk		Nonfat dry milk (human food)	
	1997	1998	1997	1998	1997	1998
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	20,640	38,355	7,863	6,629	75,498	104,143
February	20,422	40,024	4,770	6,690	71,227	105,272
March	24,929	39,165	5,203	6,830	80,345	95,315
April	26,132	38,706	4,267	6,672	118,490	113,134
May	34,842	44,346	6,161	8,456	151,167	132,679
June	42,769	47,867	5,131	7,042	173,276	122,658
July	36,901	55,925	5,828	7,285	158,714	115,343
August	40,186	64,186	4,539	6,682	154,550	94,758
September	44,614	62,176	5,766	5,468	133,937	64,441
October	32,117	48,560	5,023	5,082	114,764	47,235
November	28,875	38,135	3,968	6,072	100,615	43,728
December	31,397	35,818	5,605	5,161	103,326	56,255

NASS, Livestock Branch, (202) 720-6146.

**Table 8-22.—Milk markets under Federal order program: Whole milk and fat-reduced milk products sold for fluid consumption within defined marketing areas, 1997<sup>1</sup>**

Federal milk order marketing area	Whole milk products <sup>2</sup>		Fat-reduced milk products <sup>3</sup>		Total fluid milk products	
	Quantity	Butterfat content	Quantity	Butterfat content	Quantity	Butterfat content
	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Percent</i>
<b>NORTH ATLANTIC</b>	4,162	3.25	5,437	1.13	9,599	2.05
New England .....	990	3.21	1,564	1.06	2,554	1.90
New York-New Jersey .....	2,171	3.26	2,099	1.14	4,369	2.22
Middle Atlantic .....	1,002	3.24	1,774	1.18	2,776	1.93
<b>SOUTHEASTERN</b>	4,216	3.23	5,623	1.22	9,839	2.08
Carolina .....	924	3.09	1,067	1.20	1,991	2.08
Tennessee Valley <sup>4</sup> .....	179	3.28	374	1.37	553	1.99
Southeast .....	1,960	3.27	2,639	1.28	4,599	2.13
Upper Florida .....	321	3.27	516	1.14	837	1.96
Tampa Bay .....	352	3.29	549	1.08	901	1.94
Southeastern Florida .....	480	3.30	476	1.06	957	2.19
<b>EAST NORTH CENTRAL</b>	2,661	3.25	8,398	1.35	11,060	1.81
Michigan Upper Peninsula .....	13	3.11	84	1.41	97	1.64
Southern Michigan .....	546	3.25	1,277	1.25	1,823	1.88
Eastern Ohio-Western Pa. ....	436	3.22	1,242	1.40	1,678	1.87
Ohio Valley .....	486	3.25	1,384	1.44	1,870	1.91
Indiana .....	229	3.29	927	1.40	1,155	1.77
Chicago Regional .....	564	3.25	2,151	1.30	2,716	1.70
Central Illinois .....	33	3.31	168	1.29	202	1.77
S. Ill.-E. Missouri .....	190	3.21	693	1.41	882	1.76
Louisville-Lex.-Evans. ....	164	3.28	473	1.39	637	1.88
<b>WEST NORTH CENTRAL</b>	456	3.26	2,811	1.15	3,266	1.44
Upper Midwest .....	143	3.26	1,337	1.06	1,480	1.27
Eastern South Dakota .....	11	3.23	100	1.29	111	1.48
Iowa .....	87	3.29	588	1.20	675	1.46
Nebraska-Western Iowa .....	83	3.26	389	1.23	472	1.58
Greater Kansas City .....	132	3.25	397	1.28	529	1.77
<b>WEST SOUTH CENTRAL</b>	2,010	3.29	2,449	1.30	4,459	2.20
Southwest Plains .....	471	3.28	735	1.04	1,206	2.10
Texas .....	1,539	3.29	1,714	1.28	3,253	2.23
<b>MOUNTAIN</b>	1,080	3.29	2,407	1.39	3,487	1.98
Eastern Colorado .....	199	3.30	530	1.32	729	1.86
Western Colorado .....	20	3.30	58	1.44	78	1.89
S.W. Idaho-E. Oregon .....	32	3.27	145	1.47	176	1.80
Great Basin .....	195	3.29	719	1.41	914	1.81
Central Arizona .....	282	3.26	665	1.41	947	1.96
New Mexico-West Texas .....	352	3.31	290	1.38	642	2.44
<b>PACIFIC</b>	366	3.24	1,873	1.36	2,239	1.67
Pacific Northwest .....	366	3.24	1,873	1.36	2,239	1.67
<b>Combined areas</b>	14,952	3.25	28,997	1.26	43,949	1.94

See footnotes at end of table.

**Table 8-22.—Milk markets under Federal order program: Whole milk and fat-reduced milk products sold for fluid consumption within defined marketing areas, 1998<sup>1</sup>—Continued**

Federal milk order marketing area	Whole milk products <sup>2</sup>		Fat-reduced milk products <sup>3</sup>		Total fluid milk products	
	Quantity	Butterfat content	Quantity	Butterfat content	Quantity	Butterfat content
	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Percent</i>
<b>NORTH ATLANTIC</b>	4,077	3.24	5,435	1.11	9,512	2.02
New England .....	985	3.16	1,554	1.06	2,539	1.87
New York-New Jersey .....	2,112	3.26	2,099	1.11	4,211	2.19
Middle Atlantic .....	981	3.26	1,782	1.16	2,762	1.91
<b>SOUTHEASTERN</b>	3,998	3.28	5,254	1.21	9,252	2.10
Carolina .....	860	3.26	1,134	1.19	1,994	2.08
Southeast .....	1,944	3.26	2,588	1.28	4,532	2.13
Upper Florida .....	344	3.29	516	1.16	860	2.01
Tampa Bay .....	360	3.31	535	1.09	895	1.98
Southeastern Florida .....	489	3.31	482	1.07	971	2.20
<b>EAST NORTH CENTRAL</b>	2,702	3.24	8,346	1.34	11,048	1.80
Michigan Upper Peninsula .....	11	3.28	84	1.33	95	1.56
Southern Michigan .....	561	3.20	1,264	1.24	1,825	1.84
Eastern Ohio-Western Pa. ....	433	3.23	1,226	1.39	1,659	1.87
Ohio Valley .....	486	3.22	1,352	1.43	1,838	1.91
Indiana .....	238	3.31	928	1.38	1,166	1.77
Chicago Regional .....	562	3.26	2,153	1.27	2,715	1.68
Central Illinois .....	34	3.27	168	1.38	202	1.70
S. Ill.-E. Missouri .....	200	3.21	697	1.36	897	1.77
Louisville-Lex.-Evans. ....	177	3.30	473	1.38	650	1.90
<b>WEST NORTH CENTRAL</b>	458	3.27	2,822	1.13	3,280	1.43
Upper Midwest .....	143	3.29	1,346	1.04	1,489	1.25
Eastern South Dakota .....	11	3.27	100	1.27	111	1.47
Iowa .....	87	3.30	588	1.18	675	1.45
Nebraska-Western Iowa .....	83	3.26	387	1.21	471	1.57
Greater Kansas City .....	133	3.25	401	1.26	534	1.76
<b>WEST SOUTH CENTRAL</b>	2,025	3.29	2,462	1.30	4,487	2.20
Southwest Plains .....	473	3.29	724	1.33	1,197	2.11
Texas .....	1,552	3.29	1,738	1.28	3,290	2.23
<b>MOUNTAIN</b>	1,088	3.26	2,385	1.37	3,473	1.96
Eastern Colorado .....	199	3.26	524	1.31	723	1.85
Western Colorado .....	22	3.30	61	1.39	83	1.89
S.W. Idaho-E. Oregon .....	32	3.28	146	1.44	178	1.78
Great Basin .....	200	3.30	729	1.40	929	1.81
Central Arizona .....	295	3.20	639	1.37	934	1.95
New Mexico-West Texas .....	340	3.29	287	1.37	627	2.41
<b>PACIFIC</b>	380	3.26	1,836	1.34	2,216	1.67
Pacific Northwest .....	380	3.26	1,836	1.34	2,216	1.67
<b>Combined areas</b>	14,728	3.26	28,541	1.25	43,268	1.93

<sup>1</sup> In-area sales include total sales in each of the areas by handlers regulated under the respective order, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handlers' in-area sales are partially estimated. <sup>2</sup> Plain, flavored, and miscellaneous whole milk products. <sup>3</sup> Plain, fortified, flavored, and miscellaneous fat-reduced milk products, and butter-milk. <sup>4</sup> Effective 10/1/97, the order regulating this marketing area was terminated. Data are for January-September and are included in regional and combined areas totals.

Table 8-23.—Milk: Supply and utilization, United States, 1989–98<sup>1</sup>

Item	1989	1990	1991	1992	1993
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Milk production .....	143,893	147,721	147,697	150,847	150,636
Net imports of ingredients (milk equivalent) <sup>3</sup> .....	183	195	102	145	127
Net change in storage cream (milk equivalent) <sup>4</sup> ...	-2	-4	0	-5	5
<b>Total supply .....</b>	<b>144,074</b>	<b>147,912</b>	<b>147,799</b>	<b>150,987</b>	<b>150,768</b>
<b>Utilization (milk equivalent):</b>					
<b>Used in manufactured products:</b>					
<b>Creamery butter, total milk equivalent .....</b>	<b>28,486</b>	<b>29,391</b>	<b>30,039</b>	<b>30,478</b>	<b>29,493</b>
Milk equivalent of butter from whey cream .....	3,961	4,348	4,296	4,150	4,500
Net milk equivalent .....	24,525	25,043	25,743	26,328	24,993
<b>Cheese:</b>					
American .....	26,605	28,964	27,950	29,263	29,415
Other .....	16,943	18,404	18,819	20,195	20,456
Cottage cheese, creamed .....	704	672	644	592	557
<b>Canned milk:</b>					
Evaporated and sweetened condensed .....	1,144	1,332	1,194	1,872	1,178
<b>Bulk condensed whole milk:</b>					
Unsweetened .....	428	351	364	417	244
Sweetened .....	215	243	236	301	324
Dry whole milk .....	1,286	1,292	785	1,227	1,130
Ice cream and other frozen dairy products, total milk equivalent .....	14,600	14,321	14,818	14,191	14,058
Milk equivalent of butter and condensed milk used in ice cream .....	2,069	2,014	2,092	2,367	1,995
Net milk equivalent .....	12,531	12,307	12,726	11,824	12,063
Other manufactured products <sup>5</sup> .....	357	332	356	188	199
<b>Total manufactured products .....</b>	<b>84,738</b>	<b>88,940</b>	<b>88,817</b>	<b>92,207</b>	<b>90,559</b>
<b>Available for use in fluid products:</b>					
Sold by dealers .....	54,235	54,435	54,815	54,244	54,361
Sold by producers directly to consumers <sup>6</sup> .....	1,038	953	981	1,050	958
<b>Total available for fluid products<sup>7</sup> .....</b>	<b>55,273</b>	<b>55,388</b>	<b>55,796</b>	<b>55,294</b>	<b>55,319</b>
<b>Used on farms where produced:</b>					
Fed to calves .....	1,496	1,484	1,480	1,436	1,330
Used for farm-churned butter .....	563	512	494	455	415
<b>Total used on farms .....</b>	<b>2,059</b>	<b>1,996</b>	<b>1,974</b>	<b>1,892</b>	<b>1,745</b>
<b>Residual<sup>8</sup> .....</b>	<b>1,822</b>	<b>1,396</b>	<b>1,110</b>	<b>1,594</b>	<b>3,145</b>
<b>Total utilization .....</b>	<b>143,893</b>	<b>147,721</b>	<b>147,697</b>	<b>150,987</b>	<b>150,768</b>

See footnotes at end of table.

**Table 8-23.—Milk: Supply and utilization, United States, 1989–98<sup>1</sup>—Continued**

Item	1994	1995	1996	1997	1998 <sup>2</sup>
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Milk production .....	153,602	155,292	154,006	156,091	157,441
Net imports of ingredients (milk equivalent) <sup>3</sup> .....	148	144	185	168	529
Net change in storage cream (milk equivalent) <sup>4</sup> .....	-1	1	NA	NA	NA
<b>Total supply .....</b>	<b>153,749</b>	<b>155,437</b>	<b>154,191</b>	<b>156,259</b>	<b>157,970</b>
<b>Utilization (milk equivalent):</b>					
<b>Used in manufactured products:</b>					
<b>  Creamery butter, total milk equivalent .....</b>	<b>29,127</b>	<b>28,388</b>	<b>26,187</b>	<b>25,714</b>	<b>24,248</b>
Milk equivalent of butter from whey cream .....	4,592	4,735	4,911	4,939	5,070
Net milk equivalent .....	24,535	23,653	21,276	20,775	19,178
<b>  Cheese:</b>					
American .....	29,651	31,175	32,551	32,760	33,146
Other .....	21,492	21,412	21,386	22,400	23,610
Cottage cheese, creamed .....	524	494	461	( <sup>7</sup> )	.....
<b>  Canned milk:</b>					
Evaporated and sweetened condensed .....	1,184	1,049	1,013	1,208	1,030
<b>  Bulk condensed whole milk:</b>					
Unsweetened .....	205	203	242	227	220
Sweetened .....	277	254	266	276	186
Dry whole milk .....	1,227	1,262	983	898	1,045
<b>  Ice cream and other frozen dairy products, total milk equivalent .....</b>	<b>15,265</b>	<b>15,094</b>	<b>15,248</b>	<b>15,856</b>	<b>16,496</b>
Milk equivalent of butter and condensed milk used in ice cream .....	2,083	2,053	2,058	2,116	2,173
Net milk equivalent .....	13,182	13,041	13,190	13,740	14,323
Other manufactured products <sup>5</sup> .....	216	252	217	686	697
<b>  Total manufactured products .....</b>	<b>92,493</b>	<b>92,795</b>	<b>91,585</b>	<b>92,970</b>	<b>93,435</b>
<b>Available for use in fluid products:</b>					
Sold by dealers .....	53,583	55,114	55,565	55,382	55,176
Sold by producers directly to consumers <sup>6</sup> .....	1,266	1,294	1,299	1,292	1,156
<b>  Total available for fluid products<sup>7</sup> .....</b>	<b>54,849</b>	<b>56,408</b>	<b>56,864</b>	<b>56,674</b>	<b>56,332</b>
<b>Used on farms where produced:</b>					
Fed to calves .....	1,267	1,216	1,175	1,138	1,127
Used for farm-churned butter .....	390	340	301	256	235
<b>  Total used on farms .....</b>	<b>1,657</b>	<b>1,556</b>	<b>1,476</b>	<b>1,394</b>	<b>1,361</b>
<b>Residual<sup>8</sup> .....</b>	<b>4,750</b>	<b>4,678</b>	<b>4,266</b>	<b>5,221</b>	<b>6,842</b>
<b>Total utilization .....</b>	<b>153,749</b>	<b>155,437</b>	<b>154,191</b>	<b>156,259</b>	<b>157,970</b>

<sup>1</sup> Milk production plus the milk equivalent (ME) of net imports of dairy manufacturing ingredients and net out-of-storage movement of cream equals total supply. Data on milk used in manufacturing products are based on total milkfat required to produce the products and include the milk equivalent of any imported dairy ingredients used. <sup>2</sup> Preliminary. <sup>3</sup> Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures. <sup>4</sup> Whole milk equivalent of net out-of-storage movement of fluid and plastic cream during the year. A negative figure represents a net movement of cream into storage. <sup>5</sup> Includes cottage cheese, anhydrous milkfat, butter oil, butterine, and cottage cheese beginning in 1997. <sup>6</sup> Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds. <sup>7</sup> Total sales in U.S. (USDA-AMS). <sup>8</sup> Residual, includes minor miscellaneous uses and any inaccuracies in production, utilization estimates, or milk equivalent conversions. <sup>9</sup> Cottage cheese included in other manufactured products beginning 1997. NA-not available.

**Table 8-24.—Milk markets under Federal order program: Blend and Class I milk prices at 3.5 percent fat test, number of producers, producer deliveries, producer deliveries used in Class I, Class I percentage, average daily deliveries per producer, average fat test of milk delivered by markets, 1997 and 1998**

Federal milk order marketing area	Class I price per hundredweight <sup>1</sup>		Blend price per hundredweight <sup>1,2</sup>		Average number of producers		Total producer deliveries	
	1998	1997	1998	1997	1998	1997	1998	1997
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Number</i>	<i>Number</i>	<i>Million Pounds</i>	<i>Million Pounds</i>
<b>NORTH ATLANTIC</b>								
New England <sup>3</sup> .....	16.81	15.03	15.61	13.74	3,799	3,896	5,780	5,452
New York-New Jersey <sup>4</sup> .....	16.72	14.92	15.40	13.47	9,845	10,300	11,905	11,772
Middle Atlantic <sup>5</sup> .....	16.60	14.81	15.17	13.40	4,688	5,000	6,295	6,481
<b>SOUTHEASTERN</b>								
Carolina <sup>6</sup> .....	16.63	14.87	16.14	14.34	1,800	1,574	2,987	2,798
Tenn. Valley <sup>7,8</sup> .....		14.29		13.80		1,563		1,061
Southeast <sup>9</sup> .....	16.65	14.89	16.13	14.27	4,537	4,285	5,882	5,651
Florida Markets <sup>10</sup> .....	17.41	15.68	16.82	15.05	272	287	2,807	2,909
<b>EAST NORTH CENTRAL</b>								
Mich. Upper Penin. <sup>11,12</sup> .....	14.90	13.12	14.66	12.85	84	81	63	66
Southern Mich. <sup>12,13</sup> .....	15.34	13.53	14.62	12.75	3,024	3,319	4,325	4,382
East. Ohio-W. Pa. <sup>12,14</sup> .....	15.60	13.79	14.82	12.94	3,150	3,474	3,301	3,318
Ohio Valley <sup>12,15</sup> .....	15.61	13.82	14.77	13.05	2,468	2,640	2,976	3,036
Indiana <sup>12,16</sup> .....	15.46	13.69	14.82	13.11	1,593	1,688	1,932	1,960
Chicago Regional <sup>12,17</sup> .....	14.93	13.17	13.85	12.25	12,788	14,472	10,894	12,799
Central Illinois <sup>12,18</sup> .....	15.23	13.39	14.94	13.11	223	207	199	186
S. Ill.-E. Mo. <sup>12,19</sup> .....	15.47	13.70	14.66	12.94	1,564	1,971	1,800	1,952
Louis.-Lex.-Evans. ....	15.63	13.93	15.23	13.52	1,716	1,596	1,333	1,189
<b>WEST NORTH CENTRAL</b>								
Upper Midwest <sup>12,20</sup> .....	14.82	12.98	13.57	12.16	10,052	10,804	7,118	8,612
Iowa <sup>12,21,22</sup> .....	15.31	13.56	14.07	12.54	2,913	3,143	2,647	2,732
Nebr.-W. Iowa <sup>12,23</sup> .....	15.31	13.53	14.17	12.59	1,143	1,297	1,545	1,619
G. Kans. City <sup>12,24</sup> .....			15.40	13.54	452	416	543	495
<b>WEST SOUTH CENTRAL</b>								
Southwest Plains <sup>12,25</sup> .....	16.36	14.53	15.23	13.38	2,253	2,400	2,940	3,079
Texas <sup>12,26</sup> .....	16.72	14.94	15.37	13.60	1,444	1,609	5,843	6,369
<b>MOUNTAIN</b>								
E. Colorado <sup>12,27</sup> .....	16.31	14.51	15.16	13.20	269	373	1,638	1,759
SW. Idaho-E. Oreg. <sup>12,28</sup> .....	15.07	13.27	13.47	11.89	375	390	1,439	2,220
Great Basin. <sup>12,29</sup> .....	15.48	13.67	14.70	12.71	523	568	2,029	2,360
Central Arizona <sup>12,30</sup> .....	16.09	14.30	14.90	13.03	101	103	2,545	2,436
New Mex.-W. Texas <sup>12,31</sup> .....	15.91	14.12	14.31	12.77	150	155	1,834	2,109
<b>PACIFIC</b>								
Pacific Northwest <sup>12,32</sup> .....	15.47	13.68	14.75	12.66	1,149	1,202	6,623	6,417

See footnotes at end of table.

**Table 8-24.—Milk markets under Federal order program: Blend and Class I milk prices at 3.5 percent fat test, number of producers, producer deliveries, producer deliveries used in Class I, Class I percentage, average daily deliveries per producer, average fat test of milk delivered by markets, 1997 and 1998—Continued**

Federal milk order marketing area	Producer Deliveries used in CL. I		Class I utilization		Daily deliveries per producer		Average fat test	
	1998	1997	1998	1997	1998	1997	1998	1997
	<i>Million Pounds</i>	<i>Million Pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Percent</i>
<b>NORTH ATLANTIC</b>								
New England <sup>3</sup> .....	2,697	2,600	46.7	47.7	4,170	3,834	3.70	3.70
New York-New Jersey <sup>4</sup> .....	4,845	4,716	40.7	40.1	3,314	3,132	3.65	3.66
Middle Atlantic <sup>5</sup> .....	2,720	2,950	43.2	45.5	3,685	3,548	3.68	3.64
<b>SOUTHEASTERN</b>								
Carolina <sup>6</sup> .....	2,425	2,231	81.2	79.7	4,607	4,914	3.66	3.66
Tenn. Valley <sup>7,8</sup> .....		824		77.7		2,494		3.52
Southeast <sup>9</sup> .....	4,695	4,273	79.8	75.6	3,584	3,626	3.60	3.58
Florida Markets <sup>10</sup> .....	2,442	2,460	87.0	84.6	28,468	28,069	3.58	3.57
<b>EAST NORTH CENTRAL</b>								
Mich. Upper Penin. <sup>11,12</sup> .....	52	51	81.9	77.2	2,087	2,241	3.68	3.68
Southern Mich. <sup>12,13</sup> .....	2,093	2,050	48.4	46.8	3,922	3,617	3.63	3.64
East. Ohio-W. Pa. <sup>12,14</sup> .....	1,734	1,731	52.5	52.2	2,872	2,617	3.71	3.71
Ohio Valley <sup>12,15</sup> .....	1,641	1,655	55.1	54.5	3,299	3,152	3.70	3.69
Indiana <sup>12,16</sup> .....	1,204	1,215	62.3	62.0	3,335	3,183	3.67	3.70
Chicago Regional <sup>12,17</sup> .....	2,696	2,747	24.8	21.5	2,283	2,390	3.71	3.75
Central Illinois <sup>12,18</sup> .....	159	148	79.7	79.5	2,453	2,476	3.72	3.74
S. Ill.-E. Mo. <sup>12,19</sup> .....	1,013	1,034	56.3	53.0	3,148	2,705	3.70	3.72
Louis.-Lex.-Evans. <sup>12,20</sup> .....	1,043	912	78.3	76.7	2,130	2,072	3.62	3.62
<b>WEST NORTH CENTRAL</b>								
Upper Midwest <sup>12,20</sup> .....	1,640	1,609	23.0	18.7	2,974	2,699	3.70	3.74
Iowa <sup>12,21,22</sup> .....	926	671	35.0		3,154	2,858	3.71	3.72
Nebr.-W. Iowa <sup>12,23</sup> .....	621	612	40.2	37.8	4,319	3,766	3.69	3.70
G. Kans. City <sup>12,24</sup> .....					3,390	3,281	3.70	3.69
<b>WEST SOUTH CENTRAL</b>								
Southwest Plains <sup>12,25</sup> .....	1,446	1,466	49.2	47.6	3,584	3,527	3.62	3.62
Texas <sup>12,26</sup> .....	3,215	3,282	55.0	51.5	11,161	10,805	3.56	3.56
<b>MOUNTAIN</b>								
E. Colorado <sup>12,27</sup> .....	834	813	50.9	46.2	17,157	13,300	3.59	3.59
SW. Idaho-E. Oreg. <sup>12,28</sup> .....	185	183	12.8	8.3	21,927	20,457	3.59	3.56
Great Basin. <sup>12,29</sup> .....	897	880	44.2	37.3	10,562	11,394	3.60	3.59
Central Arizona <sup>12,30</sup> .....	999	1,019	39.3	41.8	68,924	64,934	3.57	3.56
New Mex.-W. Texas <sup>12,31</sup> .....	638	648	34.8	30.7	34,042	37,289	3.52	3.53
<b>PACIFIC</b>								
Pacific Northwest <sup>12,32</sup> .....	2,112	2,134	31.9	33.3	15,790	14,642	3.65	3.64

<sup>1</sup> Prices are for milk of 3.5 percent butterfat content and for the major city or pricing point in the marketing area. <sup>2</sup> For those markets which have multiple component pricing, the prices represent the Basic Formula Price plus the weighted average differential price or producer price differential computed under the order. <sup>3</sup> Zone 1 (Boston). Price at 201-210 mile zone: Class I and blend are 72 cents less. <sup>4</sup> New York metropolitan area. Prices at 201-210 mile zone: Class I and blend 72 cents less. <sup>5</sup> Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent delivery differential applicable to milk delivered to Philadelphia. <sup>6</sup> Charlotte. <sup>7</sup> Bristol, Chattanooga, and Knoxville. <sup>8</sup> Effective 10/1/97, the order regulating this marketing area was terminated. Figures for 1997 are for January-September. <sup>9</sup> Zone 7 (Atlanta and Birmingham). <sup>10</sup> Price data are for Tampa Bay. Remaining data are a summation or weighted average of the data for the Tampa Bay, Upper Florida, and Southeastern Florida marketing areas. The data are combined in order to mask restricted data. <sup>11</sup> Zone II (Marquette). <sup>12</sup> Because the blend price adjusted for location was equal to or less than the Class II, III, or III-A price in certain zones of these markets in some months, in 1997 and 1998 handlers elected not to pool milk that normally would have been pooled under those orders. <sup>13</sup> Zone I, Detroit. Price excludes direct delivery differential applicable to milk delivered to Detroit of 10 cents. <sup>14</sup> Cleveland and Pittsburgh. <sup>15</sup> Zone 3 (Columbus). <sup>16</sup> Indianapolis. <sup>17</sup> Zone I (Chicago). <sup>18</sup> Peoria. <sup>19</sup> Base zone (Alton). <sup>20</sup> Zone I (Minneapolis). <sup>21</sup> Zone 1 (Des Moines). <sup>22</sup> For August-October 1997, the data for producer deliveries used in Class I were restricted and therefore excluded from the applicable annual figures. <sup>23</sup> Zone 1 (Omaha). <sup>24</sup> Kansas City and Topeka. Note: Price data are for Greater Kansas City. Other data are a summation or weighted average of the data for the Greater Kansas City, and Eastern South Dakota, marketing areas. Class I receipts and utilization data are restricted. <sup>25</sup> Zone I (Oklahoma City). <sup>26</sup> Zone I (Dallas). <sup>27</sup> Denver. Note: Price data are for Eastern Colorado. Other data are a summation or weighted average of the data for the Eastern Colorado and Western Colorado marketing areas. <sup>28</sup> Boise, Idaho. <sup>29</sup> Salt Lake City, Utah. <sup>30</sup> Phoenix. <sup>31</sup> Albuquerque, Santa Fe, and El Paso. <sup>32</sup> Zone I (Seattle and Portland).

**Table 8-25.—Fluid milk and cream: Total and per capita consumption, United States, 1989–98<sup>1</sup>**

Year	Consumption		Year	Consumption	
	Total	Per capita		Total	Per capita
	<i>Billion pounds</i>	<i>Pounds</i>		<i>Billion pounds</i>	<i>Pounds</i>
1989 .....	58.3	236	1994 .....	58.9	226
1990 .....	58.2	233	1995 .....	58.7	223
1991 .....	58.8	233	1996 .....	59.3	224
1992 .....	58.8	230	1997 .....	59.2	221
1993 .....	58.2	226	1998 .....	59.1	218

<sup>1</sup> Sales of beverage, cream, and specialty fluid products plus farm household use.  
ERS, Animal Products Branch, (202) 694-5180.

**Table 8-26.—Dairy products: Average price per pound for specified products, 1994–98**

Item and market	1994	1995	1996	1997	1998
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Butter, bulk, wholesale selling prices, Chicago:					
Grade AA .....	0.7068	0.8188	1.0824	1.1625	( <sup>1</sup> )
Grade A .....	0.6737	0.7559	1.0035	1.0706	( <sup>1</sup> )
Butter <sup>2</sup> Chicago Mercantile Exchange:					
Grade AA:					
High .....	0.7575	1.1000	1.5300	1.9500	2.8100
Low .....	0.6500	0.6500	0.7200	0.9000	1.1250
Grade A:					
High .....	0.7100	1.0300	1.4700	1.8200	( <sup>1</sup> )
Low .....	0.6300	0.6300	0.6400	0.8000	( <sup>1</sup> )
Cheese, Cheddar, f.o.b. Midwest Commodity Cheddar: <sup>3</sup>					
Barrels .....	TFEWR	TFEWR	1.4172	1.2523	1.5174
40-pound blocks .....	1.3145	1.3277	1.4914	1.3240	1.5808
Cheese, cheddar, <sup>2</sup> National Cheese Exchange, Inc.:					
Barrels:					
High .....	1.3725	1.3825	1.6675	1.3625	1.8600
Low .....	1.1650	1.1725	1.1475	1.1225	1.2000
40-pound blocks:					
High .....	1.3975	1.4225	1.6950	1.4350	1.9000
Low .....	1.1825	1.2000	1.1875	1.1500	1.1800
Nonfat dry milk, f.o.b. plant, Western States Production Area: <sup>5</sup>					
Low/medium heat .....	1.0460	1.0549	1.1708	1.0715	1.0549
High heat .....	1.0639	1.0721	1.2049	1.0979	1.0852
Whey Powder, f.o.b. plant, Western Production Area:					
Edible (nonhygroscopic) .....	0.1835	0.2075	0.2202	0.2260	0.2373

TFEWR: Too few to report; one or more monthly averages was not available. <sup>1</sup> These price series were discontinued in June 1998. <sup>2</sup> Prices represent high and low for the year. <sup>3</sup> Effective June 1, 1998 this price series was renamed from Wisconsin Assembly Points. <sup>4</sup> Trading on the National Cheese Exchange ended on 4/25/97. After this date, trading of Cheddar cheese occurred on the Chicago Mercantile Exchange. <sup>5</sup> Over this time period, the product reported in this price series has changed as follows. In April 1994, the low/medium heat and high heat treatments were reported separately; figures shown are the average for April-December.

AMS, Dairy Programs, (202) 720-7461.



**Table 8-27.—Dairy products: Total disappearance, and total and per capita consumption, United States, 1989–98 <sup>1</sup>**

Year	Butter			Cheese <sup>2</sup>			Condensed and evaporated milk <sup>3</sup>		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1989 .....	1,240	1,077	4.4	5,959	5,885	23.8	819	759	3.1
1990 .....	1,165	1,095	4.4	6,231	6,156	24.6	828	787	3.1
1991 .....	1,209	1,101	4.4	6,393	6,321	25.0	854	800	3.2
1992 .....	1,464	1,114	4.4	6,720	6,642	26.0	872	820	3.2
1993 .....	1,530	1,209	4.7	6,853	6,766	26.2	843	785	3.0
1994 .....	1,463	1,255	4.8	7,094	6,994	26.8	734	668	2.6
1995 .....	1,329	1,186	4.5	7,279	7,174	27.3	699	608	2.3
1996 .....	1,190	1,148	4.3	7,478	7,365	27.7	696	617	2.3
1997 .....	1,156	1,115	4.2	7,647	7,511	28.0	772	694	2.6
1998 .....	1,131	1,123	4.2	7,807	7,673	28.4	673	597	2.2

Year	Ice cream (product weight)			Dry whole milk			Nonfat dry milk (human food)		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1989 .....	3,990	3,990	16.1	176	134	.54	882	526	2.1
1990 .....	3,953	3,953	15.8	177	159	.64	767	723	2.9
1991 .....	4,107	4,107	16.3	110	92	.36	826	656	2.6
1992 .....	4,157	4,157	16.3	167	124	.49	1,008	719	2.8
1993 .....	4,157	4,157	16.1	157	101	.39	946	634	2.5
1994 .....	4,205	4,205	16.1	164	103	.40	1,191	914	3.5
1995 .....	4,139	4,139	15.7	173	106	.40	1,280	910	3.5
1996 .....	4,217	4,217	15.9	137	97	.36	1,081	1,005	3.8
1997 .....	4,386	4,386	16.4	126	102	.38	1,171	908	3.4
1998 .....	4,500	4,500	16.6	149	121	.45	1,120	885	3.3

<sup>1</sup>Total disappearance is based on production, imports, and change in stocks during the year. Production statistics for these commodities appear in other tables in this chapter. The total apparent consumption was obtained by subtracting ending stocks, shipments, and exports, from the total supply. The per capita consumption for each year was obtained by dividing the total apparent consumption by the number of persons. <sup>2</sup>Includes all kinds of cheese except cottage and full-skim American. <sup>3</sup>The evaporated milk is unskimmed, unsweetened, case goods. The condensed milk is unsweetened, unskimmed, bulk goods; and sweetened condensed milk, unskimmed, case and bulk goods.  
ERS, Animal Products Branch, (202) 694-5180.

**Table 8-28.—Dairy products: Dec. 31 stocks, United States, 1989–98**

Year	Butter <sup>1 2</sup>	Cheese <sup>1 3</sup>	Canned milk <sup>1</sup>	Dry whole milk	Nonfat dry milk for human consumption <sup>1</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1989 .....	274,832	329,455	27,792	12,967	49,500
1990 .....	416,518	457,977	58,818	11,193	161,931
1991 .....	549,581	416,287	35,787	8,490	214,784
1992 .....	454,211	470,496	44,308	9,144	81,198
1993 .....	243,839	465,762	34,281	6,479	89,568
1994 .....	80,181	437,256	47,014	9,220	131,201
1995 .....	18,628	412,237	31,701	7,318	84,978
1996 .....	13,707	487,174	19,937	6,422	71,414
1997 .....	20,788	480,779	32,466	5,605	124,864
1998 .....	25,910	517,647	36,495	5,161	151,482

<sup>1</sup>Includes Government holdings. <sup>2</sup>Includes butter equivalent of butteroil held by CCC. <sup>3</sup>Excludes cottage and full-skim American cheese. Includes process American cheese held by CCC.  
ERS, Animal Products Branch, (202) 694-5180.

**Table 8-29.—Butter: Production in specified countries, 1996–98**

Continent and country	1996	1997	1998 <sup>1</sup>	Continent and country	1996	1997	1998 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Eastern Europe:			
Canada .....	93	89	86	Poland .....	160	178	180
Mexico .....	13	15	15	Romania .....	13	11	9
United States .....	533	522	491	Total .....	173	189	189
Total .....	639	626	592	Former USSR:			
South America:				Russia .....	290	280	270
Argentina .....	52	49	52	Ukraine .....	163	109	110
Brazil .....	70	72	70	Total .....	453	389	380
Total .....	122	121	122	North Africa:			
Europe:				Egypt .....	7	8	9
Austria .....	42	41	40	Total .....	7	8	9
Belgium and Luxembourg .....	97	97	105	Southeast Asia:			
Denmark .....	56	50	48	India <sup>2</sup> .....	1,400	1,470	1,600
Finland .....	54	50	52	Total .....	1,400	1,470	1,600
France .....	462	466	463	Asia:			
Germany .....	480	442	427	Japan .....	86	87	89
Greece .....	5	5	5	Total .....	86	87	89
Ireland .....	150	145	140	Oceania:			
Italy .....	81	81	81	Australia <sup>3</sup> .....	153	147	164
Netherlands .....	122	134	150	New Zealand <sup>4</sup> .....	309	307	343
Portugal .....	21	23	22	Total .....	462	454	507
Spain .....	23	23	24	Grand total .....	5,134	5,112	5,255
Sweden .....	30	33	33				
United Kingdom .....	129	139	137				
Total .....	1,752	1,729	1,727				
Other Europe:							
Switzerland .....	40	39	40				
Total .....	40	39	40				

<sup>1</sup> Preliminary. <sup>2</sup> Year ending April 1 of the year shown. <sup>3</sup> Year ending June 30 of the year shown. <sup>4</sup> Year ending May 31 of the year shown.

FAS, Dairy, Livestock, and Poultry Division, (202) 720-3761. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

**Table 8-30.—Dairy products: United States imports by type of product, 1989–98**

Year	Dried milk <sup>1</sup>	Cheese				Butter <sup>4</sup>	Casein <sup>5</sup>
		Swiss <sup>2</sup>	Cheddar <sup>3</sup>	Other	Total		
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1989 .....	1,196	26,495	5,737	94,369	126,601	2,038	84,266
1990 .....	810	30,563	8,970	97,553	137,086	1,464	88,082
1991 .....	1,339	27,556	8,726	100,211	136,493	1,374	89,307
1992 .....	1,238	24,466	8,186	97,013	129,665	947	94,892
1993 .....	1,268	29,265	9,130	107,346	145,741	1,706	80,827
1994 .....	1,593	29,554	7,802	119,349	156,705	1,245	96,008
1995 .....	1,128	28,047	9,472	116,877	154,396	697	93,433
1996 .....	3,968	29,420	12,393	111,457	153,270	4,783	98,547
1997 .....	6,080	25,094	11,566	104,825	141,485	10,956	102,404
1998 <sup>6</sup> .....	8,223	28,865	21,844	117,721	168,430	31,919	111,267

<sup>1</sup> Includes whole and skimmed milk. <sup>2</sup> Includes Emmentaler with eye-formation. <sup>3</sup> Includes American and Colby cheese. <sup>4</sup> Includes butter oil. <sup>5</sup> Includes caseinates. <sup>6</sup> Preliminary.

FAS, Dairy, Livestock, and Poultry Division, (202) 720-3761. Compiled from reports of the U.S. Department of Commerce.

**Table 8-31.—Cheese: Production in specified countries, 1996–98**

Continent and country	1996	1997	1998 <sup>1</sup>	Continent and country	1996	1997	1998 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Eastern Europe:			
Canada .....	289	329	328	Poland .....	133	158	180
Mexico .....	110	112	127	Romania .....	92	95	94
United States .....	3274	3345	3403	Total .....	225	253	274
Total .....	3,673	3,786	3,858	Former USSR:			
South America:				Russia .....	173	165	170
Argentina .....	390	415	420	Ukraine .....	60	45	44
Brazil .....	385	405	421	Total .....	233	210	214
Venezuela .....	77	70	66	North Africa:			
Total .....	852	890	890	Egypt .....	325	370	380
EU:				Total .....	325	370	380
Austria .....	81	87	91	Asia:			
Belgium and Luxembourg .....	64	73	74	Japan .....	33	34	35
Denmark .....	298	290	289	Total .....	33	34	35
Finland .....	83	79	80	Oceania:			
France .....	1594	1645	1648	Australia <sup>2</sup> .....	268	285	285
Germany .....	947	988	1,008	New Zealand <sup>3</sup> .....	230	240	305
Greece .....	195	190	210	Total .....	498	525	571
Ireland .....	92	89	92	World total .....	11,702	12,040	12,187
Italy .....	950	985	985				
Netherlands .....	688	693	630				
Portugal .....	66	65	64				
Spain .....	160	162	164				
Sweden .....	127	115	115				
United Kingdom .....	364	374	658				
Total EU .....	5,730	5,857	5,808				
Other Western Europe:							
Switzerland .....	133	136	140				
Total .....	133	136	140				

<sup>1</sup> Preliminary. <sup>2</sup> Year ending June 30. <sup>3</sup> Year ending May 31.

FAS, Dairy, Livestock and Poultry Division, (202) 720-3761. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

**Table 8-32.—Dairy products: United States imports by country of origin, 1996–98**

Commodity and country of origin	1996	1997	1998 <sup>1</sup>	Commodity and country of origin	1996	1997	1998 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cheese, all types:				Cheese, cheddar <sup>2</sup> :			
Canada .....	4,938	4,720	7,149	Canada .....	956	1,125	1,658
Argentina .....	2,322	6,027	6,794	Denmark .....	112	10	4
Austria .....	2,977	1,311	1,721	Ireland .....	154	129	271
Belgium and Luxembourg .....	811	1,062	1,147	United Kingdom .....	540	246	747
Denmark .....	1,105	1,147	1,147	Australia .....	2,468	2,142	3,273
Finland .....	6,412	5,507	5,945	New Zealand .....	7,652	7,638	15,556
France .....	11,183	13,743	12,860	Other countries ..	511	276	335
Germany, Fed. Rep. of .....	6,564	5,824	7,811	Total .....	12,393	11,566	21,844
Greece .....	2,146	1,982	2,059	Cheese, Swiss <sup>3</sup> :			
Ireland .....	3,648	2,526	2,570	Canada .....	1,151	346	369
Italy .....	27,581	25,673	25,254	Austria .....	1,832	758	1,279
Netherlands .....	9,578	7,911	10,520	Denmark .....	1,946	1,545	1,428
Portugal .....	575	620	459	Finland .....	6,297	5,450	5,872
Sweden .....	445	529	632	France .....	1,138	1,180	1,430
United Kingdom .....	9,207	2,740	5,505	Germany, Fed. Rep. of .....	4,625	3,235	3,862
Norway .....	6,561	7,323	8,123	Netherlands .....	95	203	395
Switzerland .....	5795	5,801	6,033	Norway .....	6,345	6,828	7,518
Israel .....	1,166	663	610	Switzerland .....	3,711	3,776	3,896
Czech Republic ..	140	68	246	Other countries ..	2,280	1,773	2,816
Hungary .....	447	310	939	Total .....	29,420	25,094	28,865
Poland .....	4,667	2,693	2,590				
Australia .....	5,799	6,364	7,420				
New Zealand .....	18,857	19,744	27,723				
Other countries ..	20,346	17,197	23,173				
Total .....	153,270	141,485	168,430				

<sup>1</sup> Preliminary. <sup>2</sup> Includes American and Colby cheese. <sup>3</sup> Includes Emmentaler with eye-formation.

FAS, Dairy, Livestock and Poultry Division, (202) 720-3761. Compiled from reports of the U.S. Department of Commerce.

**Table 8-33.—Dairy products: Exports by principal exporting countries, 1996–98<sup>1</sup>**

Commodity and country	1996	1997	1998 <sup>2</sup>	Commodity and country	1996	1997	1998 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Butter:</b>				<b>Milk, dried whole:</b>			
United States .....	19	18	8	United States .....	18	10	12
Belgium/Luxembourg .....	18	18	17	Argentina .....	55	62	80
Denmark .....	21	21	17	Belgium/Luxembourg .....	60	26	30
France .....	46	34	32	Denmark .....	82	85	84
Germany, Fed. Rep. of .....	12	25	9	France .....	122	138	155
Ireland .....	24	19	20	Ireland .....	25	24	26
Netherlands .....	30	34	36	Netherlands .....	177	153	165
Poland .....	11	3	3	United Kingdom .....	56	53	83
Australia <sup>3</sup> .....	75	111	105	Australia <sup>3</sup> .....	93	109	109
New Zealand <sup>4</sup> .....	230	315	315	New Zealand <sup>4</sup> .....	275	346	359
Other .....	155	147	129	Other .....	42	56	47
<b>Total .....</b>	<b>641</b>	<b>745</b>	<b>691</b>	<b>Total .....</b>	<b>1,005</b>	<b>1,062</b>	<b>1,150</b>
<b>Cheese<sup>5</sup>:</b>				<b>Milk, nonfat dry milk:</b>			
United States .....	32	38	37	Canada .....	33	30	31
Denmark .....	85	84	73	United States .....	32	117	104
France .....	112	96	99	Belgium/Luxembourg .....	58	42	40
Germany, Fed. Rep. of .....	113	135	93	France .....	37	39	30
Italy .....	42	45	50	Germany, Fed. Rep. of .....	43	47	33
Netherlands .....	101	87	71	Ireland .....	34	50	31
Switzerland .....	57	61	63	Netherlands .....	26	47	28
Australia <sup>3</sup> .....	111	125	149	Poland .....	77	112	90
New Zealand <sup>4</sup> .....	173	236	232	Australia <sup>3</sup> .....	167	205	197
Other .....	115	103	102	New Zealand <sup>4</sup> .....	150	215	197
<b>Total .....</b>	<b>941</b>	<b>1,010</b>	<b>969</b>	Other .....	110	140	147
				<b>Total .....</b>	<b>767</b>	<b>1,044</b>	<b>928</b>

<sup>1</sup> Within the European Union, exports to other members are not included. <sup>2</sup> Preliminary. <sup>3</sup> Year ending June 30. <sup>4</sup> Year ending May 31. <sup>5</sup> Excludes fresh cheese.

FAS, Dairy, Livestock and Poultry Division, (202) 720-3761. Prepared on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

**Table 8-34.—Dairy products: United States exports by type of product, 1989–98**

Year	Butter	Cheese	Milk and cream			
			Evaporated and condensed	WMP—Whole dried	Nonfat dry milk	Ice cream
1989 .....	27,142	10,111	13,778	39,976	117,120	7,059
1990 .....	52,449	11,885	3,934	5,113	7,722	12,698
1991 .....	16,148	12,110	3,302	8,561	43,501	21,813
1992 .....	66,896	15,206	8,800	28,203	74,577	32,583
1993 .....	92,300	16,346	10,734	37,576	75,708	30,865
1994 .....	45,487	22,499	19,595	29,230	49,045	36,320
1995 .....	37,689	29,519	41,378	64,297	59,311	37,827
1996 .....	20,795	32,428	39,580	16,181	18,422	39,765
1997 .....	15,025	37,436	9,344	48,609	62,070	36,767
1998 <sup>1</sup> .....	8,951	36,848	8,026	51,294	72,916	38,206

<sup>1</sup> Preliminary. NA—not available. Ice cream data before 1989 in dollar value only.

FAS, Dairy, Livestock and Poultry Division, (202) 720-3761. Compiled from reports of the U.S. Department of Commerce.

**Table 8-35.—Dairy products: United States exports by country of destination, 1996–98**

Commodity and country of destination	1996	1997	1998 <sup>1</sup>	Commodity and country of destination	1996	1997	1998 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Cheese, all types:</b>				<b>Milk, nonfat dry:</b>			
Canada .....	3,467	4,130	3,949	Mexico .....	5,442	1,850	14,578
Mexico .....	4,766	5,547	6,184	Dominican Rep. ....	122	4,515	4,531
Brazil .....	2,585	1,980	1,468	Colombia .....	306	1,731	1,495
Venezuela .....	366	662	1,617	Algeria .....	2,167	5,553	8,240
United Kingdom .....	759	712	830	Egypt .....	973	4,346	5,311
Saudi Arabia ....	817	794	517	Thailand .....	928	6,026	3,616
Philippines .....	421	762	938	Vietnam .....	56	3,564	3,759
Korea .....	4,069	4,819	1,273	Indonesia .....	34	6,131	425
Hong Kong .....	310	473	503	Philippines .....	1,865	6,811	4,167
Taiwan .....	297	274	480	Taiwan .....	100	447	162
Japan .....	6,797	5,990	7,161	Other countries ..	6,461	21,160	26,632
Other countries ..	7,843	11,416	11,928	<b>Total .....</b>	<b>18,454</b>	<b>62,134</b>	<b>72,916</b>
<b>Total .....</b>	<b>32,497</b>	<b>37,559</b>	<b>36,848</b>	<b>Dry whey:</b>			
<b>Ice cream:</b>				Canada .....	27,001	21,314	22,153
Canada .....	3,111	4,618	5,416	Mexico .....	13,601	14,819	15,942
Mexico .....	5,658	6,555	6,909	Thailand .....	2,607	4,050	4,380
United Kin .....	1,830	2,252	2,238	Philippines .....	5,230	7,158	6,808
Russia .....	2,508	1,868	739	China .....	4,703	7,905	11,310
Korea .....	2,869	2,031	829	Korea .....	6,105	9,694	10,799
Hong Kong .....	4,020	2,422	2,498	Taiwan .....	10,664	7,645	4,793
Japan .....	11,232	9,700	12,243	Japan .....	17,741	11,715	10,903
Others .....	8,505	7,456	7,334	Other countries ..	21,738	19,661	12,042
<b>Total .....</b>	<b>39,733</b>	<b>36,902</b>	<b>38,206</b>	<b>Total .....</b>	<b>109,390</b>	<b>103,961</b>	<b>99,130</b>

<sup>1</sup> Preliminary.  
FAS, Dairy, Livestock and Poultry Division, (202) 720-3761. Compiled from reports of the U.S. Department of Commerce.

**Table 8-36.—Dairy products: Price-support operations, United States, 1990–99**

Marketing year <sup>1</sup>	Manufacturing milk		Product purchase price per pound <sup>2</sup>		
	Support level	Average price received by farmers per cwt.	Butter <sup>3</sup>	Cheddar cheese <sup>4</sup>	Nonfat milk, spray process <sup>5</sup>
	At national average milkfat test, per cwt.				
	Dollars	Dollars	Cents	Cents	Cents
1989–90 .....	( <sup>6</sup> ) 10.10	13.28	( <sup>6</sup> ) 109.25	( <sup>6</sup> ) 111.00	79.00
	.....	.....	( <sup>7</sup> ) 98.25	111.00	( <sup>7</sup> ) 85.00
1990–91 .....	10.10	10.67	98.25	111.00	85.00
1991–92 .....	10.10	12.03	98.25	111.00	85.00
	.....	.....	( <sup>8</sup> ) 87.25	( <sup>8</sup> ) 111.375	( <sup>8</sup> ) 91.20
	.....	.....	( <sup>9</sup> ) 76.25	( <sup>9</sup> ) 111.75	( <sup>9</sup> ) 97.30
1992–93 .....	10.10	11.60	76.25	111.75	97.30
	.....	.....	( <sup>10</sup> ) 65.00	( <sup>10</sup> ) 112.00	( <sup>10</sup> ) 103.40
1993–94 .....	10.10	11.98	65.00	112.00	103.40
1994–95 .....	10.10	11.52	65.00	112.00	103.40
1995–96 .....	10.10	.....	65.00	112.00	103.40
	( <sup>11</sup> ) 10.35	( <sup>12</sup> ) 13.50	65.00	( <sup>11</sup> ) 114.50	( <sup>11</sup> ) 106.50
1996–97 .....	10.35	.....	65.00	114.50	106.50
	( <sup>13</sup> ) 10.20	11.88	65.00	( <sup>12</sup> ) 113.00	( <sup>12</sup> ) 104.70
1997–98 .....	10.20	.....	65.00	113.00	104.70
	( <sup>14</sup> ) 10.05	13.28	65.00	( <sup>14</sup> ) 111.50	( <sup>14</sup> ) 102.80
1998–99 .....	10.05	.....	65.00	111.50	102.80
	( <sup>15</sup> ) 9.90	14.04	65.00	( <sup>15</sup> ) 110.00	( <sup>15</sup> ) 101.00

<sup>1</sup> October 1–September 30. <sup>2</sup> Announced purchase prices for products in bulk containers. <sup>3</sup> Through March 31, 1985, indicated price is for Chicago (which represents an approximate U.S. average purchase price) based on New York prices less 80 percent of the lowest rail freight rate from Chicago to New York. Effective April 1, 1985, single nationwide price. <sup>4</sup> U.S. Grade A or higher, standard moisture basis. <sup>5</sup> U.S. Extra Grade, not more than 3.5 percent moisture content. Prices quoted are for product in 50-lb bags. <sup>6</sup> Effective April 1, 1989. <sup>7</sup> Effective July 1, 1989. <sup>8</sup> Effective January 1, 1990. <sup>9</sup> Effective April 21, 1990. <sup>10</sup> Effective January 17, 1992. <sup>11</sup> Effective May 13, 1992. <sup>12</sup> Effective July 7, 1993. <sup>13</sup> Effective January 1, 1996. <sup>14</sup> Basic Formula Price began May 1995 to date. <sup>15</sup> Effective January 1, 1997. <sup>16</sup> Effective January 1, 1998.

FSA, Dairy & Sweeteners Analysis, (202) 720–5653.

**Table 8-37.—Chickens: Number and value, United States, Dec. 1, 1990–99<sup>1</sup>**

Year	Layers 1 year old and older	Layers 20 weeks old but less than 1 year	Pullets		Other chickens	All chickens	Value per head	Total value
			13 weeks to 20 weeks old	Under 13 weeks old				
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Dollars	1,000 dollars
1990 .....	119,551	153,916	34,222	38,945	6,545	353,179	2.29	807,572
1991 .....	117,178	162,943	34,272	42,344	6,857	363,594	2.30	834,656
1992 .....	121,103	163,397	34,710	45,160	7,113	371,483	2.26	838,200
1993 .....	131,688	158,938	33,833	47,941	7,240	379,640	2.37	898,059
1994 .....	135,093	163,432	33,159	46,694	7,369	385,747	2.34	902,815
1995 .....	133,841	165,230	34,004	47,365	7,637	388,077	2.41	934,905
1996 .....	138,048	165,874	33,518	48,054	7,243	392,737	2.65	1,039,071
1997 .....	140,966	171,171	35,578	54,766	7,549	410,030	2.72	1,113,183
1998 .....	151,298	170,420	39,664	55,981	7,682	425,045	2.69	1,143,835
1999 <sup>2</sup> .....	151,914	177,391	38,587	58,775	9,659	436,326	2.65	1,154,840

<sup>1</sup> Does not include commercial broilers. <sup>2</sup> Preliminary.

NASS Livestock Branch, (202) 720-3570.

**Table 8-38.—Chickens: Layers, by State and United States, Dec. 1, 1998–99**

State	Layers					
	Layers 1 year old and older		Layers 20 weeks old but less than 1 year		Total	
	1998	1999 <sup>1</sup>	1998	1999 <sup>1</sup>	1998	1999 <sup>1</sup>
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
AL .....	4,479	4,782	6,156	5,713	10,635	10,495
AR .....	5,010	5,448	9,722	10,365	14,732	15,813
CA .....	14,350	13,568	11,558	11,647	25,908	25,215
CO .....	2,250	1,052	1,487	2,748	3,737	3,800
CT .....	1,227	1,396	1,863	1,697	3,090	3,093
DE .....	207	473	177	1,055	384	1,528
FL .....	6,179	5,659	4,900	5,012	11,079	10,671
GA .....	8,410	7,990	13,139	12,950	21,549	20,940
HI .....	408	404	199	184	607	588
ID .....	615	582	312	369	927	951
IL .....	1,880	1,580	1,049	1,880	2,929	3,460
IN .....	11,324	10,786	10,876	12,150	22,200	22,936
IA .....	11,903	12,890	13,232	14,147	25,135	27,037
KS .....	1,052	915	547	565	1,599	1,480
KY .....	1,550	1,655	2,200	2,045	3,750	3,700
LA .....	670	770	1,322	1,172	1,992	1,942
ME .....	2,511	2,210	2,710	2,391	5,221	4,601
MD .....	1,517	1,609	2,131	1,895	3,648	3,504
MA .....	183	69	259	275	442	344
MI .....	3,310	2,174	2,441	4,013	5,751	6,187
MN .....	5,400	6,535	6,840	6,430	12,240	12,965
MS .....	2,085	2,150	4,503	4,643	6,588	6,793
MO .....	4,295	3,330	2,395	2,854	6,690	6,184
MT .....	50	45	240	245	290	290
NE .....	6,046	6,064	4,567	5,778	10,613	11,842
NH .....	42	42	87	92	129	134
NJ .....	1,113	685	756	1,365	1,869	2,050
NY .....	1,530	1,510	2,080	2,230	3,610	3,740
NC .....	4,126	3,653	7,325	7,674	11,451	11,327
OH .....	14,377	17,433	15,730	13,899	30,107	31,332
OK .....	1,620	1,600	2,420	2,400	4,040	4,000
OR .....	1,755	1,416	1,210	1,480	2,965	2,896
PA .....	10,401	11,061	12,254	11,727	22,655	22,788
RI .....	32	8	45	43	77	51
SC .....	2,211	2,778	2,534	2,100	4,745	4,878
SD .....	1,825	108	410	2,007	2,235	2,115
TN .....	510	240	780	941	1,290	1,181
TX .....	6,759	9,236	10,848	8,929	17,607	18,165
UT .....	1,000	974	830	1,320	1,830	2,294
VT .....	30	40	202	208	232	248
VA .....	1,292	708	2,453	2,707	3,745	3,415
WA .....	2,513	2,092	2,538	2,563	5,051	4,655
WV .....	305	306	832	850	1,137	1,156
WI .....	1,796	2,020	1,742	2,231	3,538	4,251
WY .....	8	8	4	4	12	12
Other States <sup>2</sup> ...	1,142	1,860	515	398	1,657	2,258
US .....	151,298	151,914	170,420	177,391	321,718	329,305

<sup>1</sup> Preliminary. <sup>2</sup> AK, AZ, and NV combined to avoid disclosure of individual operations. NASS, Livestock Branch, (202) 720-3570.

**Table 8-39.—Chickens: Pullets not of laying age and other chickens, by State and United States, Dec. 1, 1998–99**

State	Pullets 13 weeks old and older but less than 20 weeks		Pullet chicks and pullets under 13 weeks of age		Other chickens	
	1998	1999 <sup>1</sup>	1998	1999 <sup>1</sup>	1998	1999 <sup>1</sup>
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
AL .....	1,980	2,036	2,419	2,477	1,034	1,124
AR .....	3,252	2,852	4,316	4,530	1,200	2,578
CA .....	1,500	2,430	2,500	3,523	85	80
CO .....	180	210	550	300	130	169
CT .....	206	309	653	516	10	73
DE .....	40	36	43	183	28	33
FL .....	707	644	1,262	1,467	93	60
GA .....	3,693	3,504	4,531	4,303	1,353	1,253
HI .....	77	70	63	63	0	0
ID .....	85	157	240	187	4	6
IL .....	197	222	329	416	29	26
IN .....	1,977	2,214	5,133	4,393	47	64
IA .....	2,958	2,756	3,134	3,471	39	64
KS .....	162	134	127	134	2	2
KY .....	580	857	780	823	190	270
LA .....	475	295	95	277	88	116
ME .....	477	558	1,115	1,066	4	9
MD .....	337	246	580	942	38	76
MA .....	0	29	51	46	1	0
MI .....	286	537	704	1,060	3	3
MN .....	1,025	1,130	2,240	2,470	70	60
MS .....	1,938	1,440	1,759	2,059	724	784
MO .....	832	412	1,105	1,665	183	182
MT .....	24	44	65	75	1	1
NE .....	1,186	203	1,420	1,801	0	0
NH .....	6	36	49	51	31	27
NJ .....	144	144	84	43	0	0
NY .....	570	690	500	545	20	25
NC .....	2,010	1,901	2,990	2,985	769	922
OH .....	3,252	3,620	5,600	5,435	51	51
OK .....	400	570	720	500	220	240
OR .....	250	264	258	546	3	8
PA .....	2,490	2,462	3,204	2,520	105	115
RI .....	1	1	0	0	0	0
SC .....	506	332	215	610	133	141
SD .....	400	154	10	171	0	0
TN .....	360	367	475	437	130	170
TX .....	2,500	1,890	3,760	3,850	533	495
UT .....	268	245	98	345	0	0
VT .....	13	25	0	0	1	1
VA .....	672	681	549	298	177	247
WA .....	940	914	977	663	1	1
WV .....	265	463	340	411	114	140
WI .....	328	301	715	845	34	40
WY .....	2	2	2	2	1	1
Other States <sup>2</sup> ...	113	200	221	271	3	2
US .....	39,664	38,587	55,981	58,775	7,682	9,659

<sup>1</sup> Preliminary. <sup>2</sup> AK, AZ, NV, NM and ND combined to avoid disclosure of individual operations.  
NASS, Livestock Branch, (202) 720-3570.



**Table 8-40.—Chickens: Number, value per head, and total value, by State and United States, Dec. 1, 1998–99<sup>1</sup>**

State	Number		Value per bird		Total value	
	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>	1998	1999 <sup>2</sup>
	<i>1,000 head</i>	<i>1,000 head</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL .....	16,068	16,132	5.20	5.40	86,388	87,113
AR .....	23,500	25,773	5.10	5.10	119,850	131,442
CA .....	29,993	31,248	2.10	1.80	62,985	56,246
CO .....	4,597	4,479	2.40	2.70	11,033	12,093
CT .....	3,959	3,991	2.30	2.10	9,106	8,381
DE .....	495	1,780	4.00	2.60	1,980	4,628
FL .....	13,141	12,842	2.30	2.30	30,224	29,537
GA .....	31,126	30,000	3.30	3.40	102,716	102,000
HI .....	747	721	2.50	2.30	1,868	1,658
ID .....	1,256	1,301	1.90	2.00	2,386	2,602
IL .....	3,484	4,124	1.60	1.60	5,574	6,598
IN .....	29,357	29,607	1.60	1.50	46,971	44,411
IA .....	31,266	33,328	1.50	1.50	46,899	49,992
KS .....	1,890	1,750	1.50	1.50	2,835	2,625
KY .....	5,300	5,650	2.20	2.60	11,660	14,690
LA .....	2,650	2,630	2.50	2.80	6,625	7,364
ME .....	6,817	6,234	2.40	2.20	16,361	13,715
MD .....	4,603	4,768	1.70	2.00	7,825	9,536
MA .....	494	419	2.20	2.70	1,087	1,131
MI .....	6,744	7,787	1.40	1.50	9,442	11,681
MN .....	15,575	16,625	1.80	1.70	28,035	28,263
MS .....	11,009	11,076	5.60	5.10	61,650	56,488
MO .....	8,810	8,443	2.90	2.90	25,549	24,485
MT .....	380	410	2.90	2.90	1,102	1,189
NE .....	13,219	13,846	2.10	1.70	27,760	23,538
NH .....	215	248	2.60	3.00	559	744
NJ .....	2,097	2,237	3.00	1.40	6,291	3,132
NY .....	4,700	5,000	1.70	1.40	7,990	7,000
NC .....	17,220	17,135	4.60	5.00	79,212	85,675
OH .....	39,010	40,438	2.00	1.90	78,020	76,832
OK .....	5,380	5,310	4.30	5.40	23,134	28,674
OR .....	3,476	3,714	1.90	1.40	6,604	5,200
PA .....	28,454	27,885	1.70	1.80	48,372	50,193
RI .....	78	52	2.00	2.30	156	120
SC .....	5,599	5,961	2.60	2.70	14,557	16,095
SD .....	2,645	2,440	2.10	2.20	5,555	5,368
TN .....	2,255	2,155	4.90	5.80	11,050	12,499
TX .....	24,400	24,400	2.80	2.80	68,320	68,320
UT .....	2,196	2,884	1.60	1.40	3,514	4,038
VT .....	246	274	2.60	2.40	640	658
VA .....	5,143	4,641	4.80	4.60	24,686	21,349
WA .....	6,969	6,233	2.00	1.70	13,938	10,596
WV .....	1,856	2,170	5.40	5.30	10,022	11,501
WI .....	4,615	5,437	2.10	2.00	9,692	10,874
WY .....	17	17	2.10	2.00	36	34
Oth Sts <sup>3</sup> .....	1,994	2,731	1.79	1.66	3,576	4,532
US .....	425,045	436,326	2.69	2.65	1,143,835	1,154,840

<sup>1</sup>Excludes commercial broilers. <sup>2</sup>Preliminary. <sup>3</sup>AK, AZ, NV, NM and ND combined to avoid disclosure of individual operations.

NASS, Livestock Branch, (202) 720-3570.

Table 8-41.—Poultry Meat: Total imports by specified countries, 1995–99

Continent and country	1995	1996	1997	1998	1999 <sup>1</sup>
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
<b>North America:</b>					
Canada .....	105	115	128	136	130
Mexico .....	163	189	210	231	238
United States .....	0	2	3	3	2
<b>Total .....</b>	<b>268</b>	<b>306</b>	<b>341</b>	<b>370</b>	<b>370</b>
<b>South America:</b>					
Argentina .....	20	30	48	65	57
Brazil .....	0	0	0	0	0
Colombia .....	11	14	29	17	17
Guatemala .....	8	8	10	11	12
Honduras .....	1	1	4	4	4
Venezuela .....	4	0	0	0	0
<b>Total .....</b>	<b>44</b>	<b>53</b>	<b>91</b>	<b>97</b>	<b>90</b>
<b>European Union:<sup>2</sup></b>					
France .....	16	18	18	24	20
Germany .....	133	160	130	130	130
Italy .....	16	15	12	11	11
Netherlands .....	12	40	43	52	45
Spain .....	20	25	24	21	25
United Kingdom .....	6	23	29	32	36
<b>Total .....</b>	<b>203</b>	<b>281</b>	<b>256</b>	<b>270</b>	<b>267</b>
<b>Eastern Europe:</b>					
Bulgaria .....	4	4	12	24	26
Hungary .....	0	0	0	14	10
Poland .....	34	44	61	51	40
Romania .....	26	7	19	66	34
<b>Total .....</b>	<b>64</b>	<b>55</b>	<b>92</b>	<b>155</b>	<b>110</b>
<b>Former Soviet Union:</b>					
Russia .....	870	1,116	1,283	820	600
Ukraine .....	40	97	57	51	36
<b>Total .....</b>	<b>910</b>	<b>1,213</b>	<b>1,340</b>	<b>871</b>	<b>636</b>
<b>Middle East:</b>					
Kuwait .....	55	57	59	52	55
Saudi Arabia .....	290	288	294	279	265
Turkey .....	0	0	0	0	0
United Arab Emirates .....	100	105	112	119	102
<b>Total .....</b>	<b>445</b>	<b>450</b>	<b>465</b>	<b>450</b>	<b>422</b>
<b>Africa:</b>					
Egypt .....	4	2	2	2	2
South Africa .....	153	96	110	87	82
<b>Total .....</b>	<b>157</b>	<b>98</b>	<b>112</b>	<b>89</b>	<b>84</b>
<b>Asia:</b>					
China .....	625	650	780	804	850
Hong Kong .....	695	799	871	915	1,150
India .....	0	0	0	0	0
Indonesia .....	2	11	1	1	3
Japan .....	549	559	508	509	543
Malaysia .....	5	4	4	5	8
Philippines .....	1	1	3	4	22
Korea, Republic .....	36	38	41	19	49
Singapore .....	61	70	66	60	66
Taiwan .....	2	6	6	11	27
Thailand .....	0	0	0	0	0
<b>Total .....</b>	<b>1,976</b>	<b>2,138</b>	<b>2,280</b>	<b>2,328</b>	<b>2,718</b>
<b>Grand total .....</b>	<b>4,067</b>	<b>4,594</b>	<b>4,977</b>	<b>4,630</b>	<b>4,697</b>

<sup>1</sup> Estimated. <sup>2</sup> EU trade excludes intra-EU trade.

Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, inter-agency analysis, and related information. FAS, Dairy, Livestock and Poultry Division, (202) 720-8031.

**Table 8-42.—Poultry Meat: Total exports by specified countries, 1995–99**

Continent and country	1995	1996	1997	1998	1999 <sup>1</sup>
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
<b>North America:</b>					
Canada .....	67	75	94	115	89
Mexico .....	0	0	0	0	0
United States .....	1,969	2,324	2,565	2,515	2,444
<b>Total .....</b>	<b>2,036</b>	<b>2,399</b>	<b>2,659</b>	<b>2,630</b>	<b>2,533</b>
<b>South America:</b>					
Argentina .....	8	10	17	18	20
Brazil .....	435	582	665	631	724
Colombia .....	0	0	0	0	0
Guatemala .....	1	0	0	0	0
Honduras .....	0	0	0	0	0
Venezuela .....	3	8	7	9	0
<b>Total .....</b>	<b>447</b>	<b>600</b>	<b>689</b>	<b>658</b>	<b>744</b>
<b>European Union:<sup>2</sup></b>					
France .....	449	466	439	505	469
Germany .....	27	15	24	27	30
Italy .....	17	17	13	15	15
Netherlands .....	182	188	209	211	219
Spain .....	3	2	5	7	12
United Kingdom .....	61	74	92	87	83
<b>Total .....</b>	<b>739</b>	<b>762</b>	<b>782</b>	<b>852</b>	<b>828</b>
<b>Eastern Europe:</b>					
Bulgaria .....	4	8	7	10	11
Hungary .....	108	109	109	125	130
Poland .....	17	21	23	46	25
Romania .....	1	1	1	1	1
<b>Total .....</b>	<b>130</b>	<b>139</b>	<b>140</b>	<b>182</b>	<b>167</b>
<b>Former Soviet Union:</b>					
Russia .....	5	18	15	6	6
Ukraine .....	3	6	10	15	20
<b>Total .....</b>	<b>8</b>	<b>24</b>	<b>25</b>	<b>21</b>	<b>26</b>
<b>Middle East:</b>					
Kuwait .....	1	1	1	1	1
Saudi Arabia .....	17	25	24	20	20
Turkey .....	5	6	5	5	10
United Arab Emirates .....	50	55	62	63	50
<b>Total .....</b>	<b>73</b>	<b>87</b>	<b>92</b>	<b>89</b>	<b>81</b>
<b>Africa:</b>					
Egypt .....	0	0	0	0	0
South Africa .....	1	2	5	13	15
<b>Total .....</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>13</b>	<b>15</b>
<b>Asia:</b>					
China .....	328	371	367	355	400
Hong Ko .....	489	568	583	609	823
India .....	0	0	0	0	0
Indones .....	1	1	1	3	3
Japan .....	3	3	3	3	3
Malaysia .....	4	2	2	6	3
Philippines .....	0	0	0	0	0
Korea, Rep .....	0	0	0	0	2
Singapore .....	7	9	10	4	4
Taiwan .....	5	5	5	3	3
Thailand .....	177	169	199	285	285
<b>Total .....</b>	<b>1,014</b>	<b>1,128</b>	<b>1,170</b>	<b>1,268</b>	<b>1,526</b>
<b>Oceania:</b>					
Australia .....	10	10	11	17	15
<b>Total .....</b>	<b>10</b>	<b>10</b>	<b>11</b>	<b>17</b>	<b>15</b>
<b>Grand total .....</b>	<b>4,458</b>	<b>5,151</b>	<b>5,573</b>	<b>5,730</b>	<b>5,935</b>

<sup>1</sup> Estimated. <sup>2</sup> EU trade excludes intra-EU trade.

Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, interagency analysis, and related information. FAS, Dairy, Livestock and Poultry Division, (202) 720-8031.

**Table 8-43.—Total poultry meat: Production in specified countries, 1995–99**

Continent and country	1995	1996	1997	1998	1999 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
<b>North America:</b>					
Canada .....	861	893	916	962	1,004
Mexico .....	1,554	1,600	1,615	1,710	1,809
United States .....	13,786	14,522	14,952	15,128	15,981
<b>Total .....</b>	<b>16,201</b>	<b>17,015</b>	<b>17,483</b>	<b>17,800</b>	<b>18,794</b>
<b>South America:</b>					
Argentina .....	700	680	780	875	895
Brazil .....	4,140	4,144	4,562	4,600	5,105
Colombia .....	537	623	647	651	678
Guatemala .....	104	111	117	123	129
Honduras .....	41	42	53	59	60
Venezuela .....	410	391	395	380	375
<b>Total .....</b>	<b>5,932</b>	<b>5,991</b>	<b>6,554</b>	<b>6,688</b>	<b>7,242</b>
<b>European Union:</b>					
France .....	2,083	2,206	2,259	2,320	2,310
Germany .....	633	638	682	719	740
Italy .....	1,123	1,151	1,177	1,195	1,135
Netherlands .....	641	700	715	737	739
Spain .....	910	950	901	905	916
United Kingdom .....	1,394	1,443	1,502	1,513	1,516
<b>Total .....</b>	<b>6,784</b>	<b>7,088</b>	<b>7,236</b>	<b>7,389</b>	<b>7,356</b>
<b>Eastern Europe:</b>					
Bulgaria .....	97	102	96	107	109
Hungary .....	368	365	372	400	400
Poland .....	367	410	460	530	540
Romania .....	160	180	155	73	68
<b>Total .....</b>	<b>992</b>	<b>1,057</b>	<b>1,083</b>	<b>1,110</b>	<b>1,117</b>
<b>Former Soviet Union:</b>					
Russia .....	859	705	630	640	640
Ukraine .....	235	218	186	210	200
<b>Total .....</b>	<b>1,094</b>	<b>923</b>	<b>816</b>	<b>850</b>	<b>840</b>
<b>Middle East:</b>					
Kuwait .....	20	22	24	27	29
Saudi Arabia .....	309	340	438	445	454
Turkey .....	390	480	590	620	675
United Arab Emirates .....	20	21	22	23	24
<b>Total .....</b>	<b>739</b>	<b>863</b>	<b>1,074</b>	<b>1,115</b>	<b>1,182</b>
<b>Africa:</b>					
Egypt .....	360	380	455	500	520
South Africa .....	692	826	829	1,015	1,118
<b>Total .....</b>	<b>1,052</b>	<b>1,206</b>	<b>1,284</b>	<b>1,515</b>	<b>1,638</b>
<b>Asia:</b>					
China .....	8,440	9,630	10,400	10,700	10,900
Hong Kong .....	94	90	88	58	81
India .....	578	665	630	665	680
Indonesia .....	876	947	900	450	570
Japan .....	1,282	1,249	1,234	1,218	1,195
Malaysia .....	631	662	695	643	615
Philippines .....	399	464	496	491	495
Korea, Republic of .....	415	459	450	422	440
Singapore .....	60	59	58	61	66
Taiwan .....	630	668	739	728	746
Thailand .....	825	890	955	980	1,005
<b>Total .....</b>	<b>14,230</b>	<b>15,783</b>	<b>16,645</b>	<b>16,416</b>	<b>16,793</b>
<b>Oceania:</b>					
Australia .....	500	503	533	585	603
<b>Total .....</b>	<b>500</b>	<b>503</b>	<b>533</b>	<b>585</b>	<b>603</b>
<b>Grand total .....</b>	<b>47,524</b>	<b>50,429</b>	<b>52,708</b>	<b>53,468</b>	<b>55,565</b>

<sup>1</sup> Preliminary.

Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, inter-agency analysis, and related information.

FAS, Production Estimates and Crop Assessment Division, (202) 720-8031.

**Table 8-44.—Mature Chickens: Lost, sold for slaughter, and value of sales, 1998 (preliminary)<sup>1</sup>**

State	Number lost <sup>2</sup>	Number sold <sup>3</sup>	Pounds sold <sup>3</sup>	Price per pound <sup>3</sup>	Value of sales <sup>3</sup>
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
AL .....	1,750	9,200	65,320	0.175	11,431
AR .....	3,264	11,812	86,228	0.096	8,278
CA .....	3,373	13,749	48,122	0.034	1,636
CO .....	550	2,170	9,331	0.030	280
CT .....	562	2,345	8,677	0.017	148
DE .....	59	267	1,522	0.129	196
FL .....	2,570	4,667	18,201	0.058	1,056
GA .....	2,806	15,590	109,130	0.169	18,443
HI .....	196	236	779	0.151	118
ID .....	86	508	1,930	0.036	69
IL .....	322	2,152	7,962	0.027	215
IN .....	3,200	12,200	41,480	0.020	830
IA .....	4,339	10,907	37,084	0.024	890
KS .....	168	791	2,373	0.020	47
KY .....	449	1,787	11,258	0.113	1,272
LA .....	241	976	5,661	0.069	391
ME .....	530	3,485	13,243	0.017	225
MD .....	822	1,869	8,037	0.062	498
MA .....	58	410	1,558	0.017	26
MI .....	466	3,086	12,653	0.027	342
MN .....	2,300	6,100	21,960	0.026	571
MS .....	1,460	5,702	41,625	0.174	7,243
MO .....	820	4,827	21,239	0.096	2,039
MT .....	38	192	768	0.020	15
NE .....	1,900	5,530	22,120	0.024	531
NH .....	25	134	630	0.017	11
NJ .....	152	725	2,465	0.036	89
NM .....	257	490	1,666	0.005	8
NY .....	327	3,030	13,332	0.021	280
NC .....	1,800	9,825	68,775	0.070	4,814
ND .....	50	150	600	0.026	16
OH .....	4,127	16,654	59,954	0.024	1,439
OK .....	876	2,820	17,484	0.096	1,678
OR .....	291	1,349	4,587	0.010	46
PA .....	5,200	12,935	46,566	0.073	3,399
RI .....	8	53	201	0.016	3
SC .....	1,036	2,497	12,735	0.111	1,414
SD .....	635	900	3,420	0.020	68
TN .....	210	962	6,349	0.133	844
TX .....	3,681	10,404	50,980	0.039	1,988
UT .....	164	1,021	4,084	0.030	123
VT .....	15	140	574	0.016	9
VA .....	509	2,867	17,775	0.070	1,244
WA .....	648	3,209	10,911	0.020	218
WV .....	222	1,024	5,018	0.130	652
WI .....	843	1,853	7,597	0.051	387
WY .....	1	11	37	0.050	2
Other States <sup>4</sup> .....	22	157	567	0.035	20
Total US .....	53,428	193,768	934,568	0.080	75,542

<sup>1</sup> Estimates cover the 12-month period, Dec. 1, previous year through Nov. 30 and excludes broilers. <sup>2</sup> Includes death, rendered, composted, destroyed, disappeared, and other losses during the 12-month period. <sup>3</sup> Sold for slaughter. <sup>4</sup> AK, AZ, and NV combined to avoid disclosing individual operations.

NASS, Livestock Branch, (202) 720-6351.

**Table 8-45.—Broilers: Production and value, United States, 1989-98<sup>1</sup>**

Year	Production		Price per pound <sup>2</sup>	Value of production
	Number	Weight		
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1989 .....	5,516,521	23,978,816	36.6	8,777,915
1990 .....	5,864,150	25,630,960	32.6	8,365,704
1991 .....	6,137,150	27,202,862	30.8	8,383,046
1992 .....	6,402,490	28,828,872	31.8	9,174,136
1993 .....	6,694,310	30,617,600	34.0	10,416,962
1994 .....	7,017,540	32,528,500	35.0	11,371,723
1995 .....	7,325,670	34,222,000	34.4	11,762,222
1996 .....	7,596,760	36,479,100	38.1	13,903,479
1997 .....	7,764,200	37,540,750	37.7	14,158,926
1998 <sup>3</sup> .....	7,934,280	38,553,600	39.3	15,144,551

<sup>1</sup> Broilers are young chickens of the meat-type strains, raised for the purpose of meat production. These figures are not included in farm production of chickens. Estimates cover the 12-month period, Dec 1 previous year through Nov 30. Excludes States which produced less than 500,000 broilers. <sup>2</sup> Live weight equivalent price. <sup>3</sup> Preliminary.

NASS, Livestock Branch, (202) 720-6351.

**Table 8-46.—Mature Chickens: Lost, sold for slaughter, price, and value, United States, 1989–98<sup>1</sup>**

Year	Number		Pounds (live weight) sold <sup>3</sup>	Price per pound live weight <sup>3</sup>	Value of sales <sup>3</sup>
	Lost <sup>2</sup>	Sold <sup>3</sup>			
	<i>Thousands head</i>	<i>Thousands head</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1989 .....	36,076	199,735	943,732	0.151	142,409
1990 .....	34,854	208,362	985,007	0.096	94,392
1991 .....	36,390	198,534	953,281	0.076	72,199
1992 .....	35,126	207,689	978,255	0.091	89,105
1993 .....	34,962	198,032	964,356	0.100	96,409
1994 .....	35,621	197,012	992,840	0.074	73,050
1995 .....	61,060	179,503	924,036	0.065	60,153
1996 .....	60,435	174,299	900,652	0.066	59,187
1997 .....	49,256	190,986	925,499	0.077	71,461
1998 .....	53,428	193,768	934,568	0.080	75,542

<sup>1</sup> Estimates cover the 12-month period, Dec. 1, previous year through Nov. 30 and excludes broilers. <sup>2</sup> Includes death, rendered, composted, destroyed, and other losses during the 12-month period. <sup>3</sup> Sold for slaughter.  
NASS, Livestock Branch, (202) 720-6146.

**Table 8-47.—Chickens: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1991–2000**

Year	Production			Commercial storage at beginning of year	Exports	Commercial storage at end of year	Consumption	
	Commercial broilers	Other chickens	Total <sup>1</sup>				Total <sup>1,3</sup>	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1991 .....	19,591	508	20,099	251	1,289	310	18,751	74
1992 .....	20,904	520	21,424	310	1,530	378	19,826	78
1993 .....	22,015	515	22,530	378	2,022	366	20,520	80
1994 .....	23,666	509	24,175	366	2,966	472	21,103	81
1995 .....	24,827	496	25,323	472	3,993	567	21,238	81
1996 .....	26,124	491	26,615	567	4,685	647	21,854	82
1997 .....	27,041	510	27,570	647	5,048	614	22,541	84
1998 <sup>2</sup> .....	27,612	525	28,137	614	5,099	717	22,942	85
1999 <sup>4</sup> .....	29,415	553	29,968	717	5,112	803	24,765	91
2000 <sup>4</sup> .....	30,858	.....	31,411	803	5,240	895	26,097	95

<sup>1</sup> Totals may not add due to rounding. <sup>2</sup> Preliminary. <sup>3</sup> Shipments to territories now included in total consumption. <sup>4</sup> Forecast.

ERS, Animal Products Branch, (202) 694-5180.

**Table 8-48.—Broilers: Production, price, and value, by States, 1997 and 1998<sup>1</sup>**

State	1997				1998 <sup>3</sup>			
	Production		Price per pound <sup>2</sup>	Value of production	Production		Price per pound <sup>2</sup>	Value of production
	Number	Weight			Number	Weight		
	<i>Thou-</i> <i>sands</i>	<i>1,000</i> <i>pounds</i>	<i>Dollars</i>	<i>1,000</i> <i>dollars</i>	<i>Thou-</i> <i>sands</i>	<i>1,000</i> <i>pounds</i>	<i>Dollars</i>	<i>1,000</i> <i>dollars</i>
AL .....	906,200	4,349,800	0.380	1,652,924	921,800	4,516,800	0.400	1,806,720
AR .....	1,164,600	5,590,100	0.375	2,096,288	1,170,600	5,618,900	0.380	2,135,182
CA .....	237,300	1,210,200	0.390	471,978	.....	.....	.....	.....
DE .....	256,900	1,413,000	0.375	529,875	259,800	1,428,900	0.390	557,271
FL .....	132,400	595,800	0.385	229,383	129,000	632,100	0.400	252,840
GA .....	1,182,800	5,914,000	0.385	2,276,890	1,202,500	5,892,300	0.405	2,386,382
HI .....	1,000	4,400	0.520	2,288	1,000	4,400	0.525	2,310
KY .....	110,600	497,700	0.370	184,149	172,000	842,800	0.395	332,906
MD .....	295,300	1,417,400	0.375	531,525	290,900	1,367,200	0.390	533,208
MI .....	640	2,900	0.365	1,059	580	2,800	0.365	1,022
MN .....	46,300	240,800	0.375	90,300	42,300	207,300	0.390	80,847
MS .....	720,300	3,313,400	0.370	1,225,958	722,400	3,467,500	0.395	1,369,663
MO .....	250,000	1,075,000	0.375	403,125	255,000	1,096,500	0.380	416,670
NE .....	1,600	8,200	0.375	3,075	1,200	7,200	0.390	2,808
NY .....	1,400	7,000	0.390	2,730	1,900	9,900	0.410	4,059
NC .....	665,000	3,657,500	0.375	1,371,563	653,000	3,591,500	0.395	1,418,643
OH .....	45,800	229,000	0.365	83,585	46,000	234,600	0.390	91,494
OK .....	197,400	868,600	0.375	325,725	216,000	993,600	0.380	377,568
OR .....	21,700	108,500	0.385	41,773	.....	.....	.....	.....
PA .....	135,200	689,500	0.375	258,563	135,500	691,100	0.385	266,074
SC .....	182,800	829,900	0.385	319,512	180,500	848,400	0.395	335,118
TN .....	138,600	623,700	0.380	237,006	159,200	716,400	0.395	282,978
TX .....	455,100	2,093,500	0.370	774,595	480,000	2,160,000	0.390	842,400
VA .....	259,400	1,219,200	0.365	445,008	263,300	1,263,800	0.385	486,563
WA .....	38,800	194,000	0.385	74,690	.....	.....	.....	.....
WV .....	90,800	381,400	0.365	139,211	89,600	358,400	0.400	143,360
WI .....	32,900	157,900	0.375	59,213	34,100	163,700	0.365	59,751
Other States <sup>4</sup> .....	193,360	848,350	0.385	326,935	506,100	2,437,500	0.393	958,714
Total <sup>5</sup> .....	7,764,200	37,540,750	0.377	14,158,926	7,934,280	38,553,600	0.393	15,144,551

<sup>1</sup> Broilers are young chickens of the meat-type breeds, raised for the purpose of meat production. Estimates cover the 12-month period, Dec. 1, previous year through Nov. 30. <sup>2</sup> Live weight equivalent price. <sup>3</sup> Preliminary. <sup>4</sup> 1997 - IA, IL, IN, LA, and ME. 1998 - CA, IA, IL, IN, LA, ME, OR, and WA. <sup>5</sup> Excludes States producing less than 500,000 broilers. NASS, Livestock Branch, (202) 720-6351.

**Table 8-49.—Chicks hatched by commercial hatcheries: Number, average price, and value, United States, 1989-98**

Year	Chicks hatched			Average price of baby chicks per 100			Value of chick production <sup>1</sup>
	Broiler-type	Egg-type	All	Broiler-type	Egg-type	All	
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	
1989 .....	5,946,948	382,906	6,329,854	17.60	50.30	18.60	1,143,388
1990 .....	6,324,426	398,432	6,722,858	18.50	50.80	19.50	1,273,269
1991 .....	6,616,527	419,554	7,036,081	18.20	51.10	19.20	1,308,268
1992 .....	6,892,844	391,319	7,284,163	18.30	54.70	19.30	1,369,893
1993 .....	7,220,768	405,986	7,626,754	18.60	53.80	19.60	1,455,383
1994 .....	7,562,316	381,577	7,943,893	19.30	49.70	20.10	1,557,276
1995 .....	7,932,352	396,501	8,328,853	18.60	49.80	19.40	1,577,782
1996 .....	8,078,159	401,640	8,479,799	18.60	53.80	19.50	1,611,380
1997 .....	8,321,634	424,543	8,746,177	19.70	53.10	20.60	1,756,004
1998 .....	8,495,093	438,393	8,933,486	20.40	54.50	21.30	1,855,382

<sup>1</sup> Excludes egg-type cockerels destroyed. NASS, Environmental, Economics, and Demographics Branch, (202) 720-3570.

**Table 8-50.—Poultry: Feed-price ratios, United States, 1989-98**

Year	Ratios <sup>1</sup>			Year	Ratios <sup>1</sup>		
	Egg-feed	Broiler-feed	Turkey-feed		Egg-feed	Broiler-feed	Turkey-feed
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>		<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1989 .....	10.5	5.0	6.0	1994 .....	8.5	5.2	6.6
1990 .....	11.1	4.9	6.5	1995 .....	8.8	5.1	6.3
1991 .....	10.4	4.9	6.6	1996 .....	8.6	4.4	5.3
1992 .....	8.4	5.1	6.4	1997 .....	8.8	4.7	5.7
1993 .....	9.4	5.3	6.5	1998 .....	9.7	6.3	6.7

<sup>1</sup> Number of pounds of poultry feed equivalent in value at local market prices to 1 dozen market eggs, or 1 pound of broiler or 1 pound of turkey live weight. Simple average of monthly feed-price ratios. Egg feed= corn (75 lbs) and soybeans (25 lbs); broiler feed= corn (58 lbs); soybeans (42 lbs); turkey feed= corn (51 lbs), soybeans (28 lbs), and wheat (21 lbs). Monthly equivalent prices of commercial prepared feeds are based on current U.S. prices received for corn, soybeans, and wheat. NASS, Environmental, Economics, and Demographics Branch, (202) 720-3570.

**Table 8-51.—Poultry: Slaughtered under Federal inspection, by class, United States, 1996–98**

Class	Number inspected			Pounds inspected (live weight)		
	1996	1997	1998	1996	1997	1998
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens .....	7,546,250	7,735,903	7,837,684	36,034,815	37,207,401	38,054,849
Mature chickens .....	153,609	167,635	169,297	800,594	839,202	865,381
Total chickens .....	7,699,858	7,903,539	8,006,980	36,835,409	38,046,603	38,920,229
Young turkeys .....	291,034	288,400	271,055	6,881,123	6,908,440	6,674,862
Old turkeys .....	2,068	1,762	1,882	53,301	45,387	49,135
Fryer-roaster turkeys .....	188	68	76	1,697	658	660
Total turkeys .....	293,290	290,230	273,013	6,936,121	6,954,485	6,724,657
Ducks .....	20,663	21,978	23,477	137,624	146,534	154,796
Other poultry .....				13,417	17,733	14,582
Total poultry .....				43,922,572	45,165,355	45,814,264

Class	Pounds certified (ready-to-cook)			Pounds condemned		
	1996	1997	1998	Ante-mortem (live weight)		
				1996	1997	1998
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens .....	26,336,303	27,270,741	27,862,680	135,661	130,531	167,654
Mature chickens .....	486,812	509,247	523,592	12,885	13,893	15,455
Total chickens .....	26,823,115	27,779,987	28,386,272	148,546	144,424	183,109
Young turkeys .....	5,424,111	5,442,835	5,242,720	20,280	20,052	18,517
Old turkeys .....	40,208	34,597	37,400	491	313	413
Fryer-roaster turkeys .....	1,297	482	472	7	2	3
Total turkeys .....	5,465,617	5,477,914	5,280,593	20,778	20,367	18,934
Ducks .....	99,040	104,414	110,075	130	149	188
Other poultry .....	7,575	10,134	8,367	74	94	56
Total poultry .....	32,395,346	33,372,449	33,785,306	169,528	165,033	202,287

Class	Pounds condemned—Continued		
	Post-mortem (New York dressed weight)		
	1996	1997	1998
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens .....	551,558	571,738	600,661
Mature chickens .....	46,347	51,506	50,805
Total chickens .....	597,905	623,244	651,465
Young turkeys .....	132,962	136,311	130,558
Old turkeys .....	3,303	2,540	2,990
Fryer-roaster turkeys .....	34	21	22
Total turkeys .....	136,299	138,872	133,569
Ducks .....	2,307	2,954	3,289
Other poultry .....	155	177	155
Total poultry .....	736,665	765,246	788,479

NASS, Livestock Branch, (202) 720-6146.



**Table 8-52.—Chickens and turkeys: Number classified as “U.S. Pullorum-Typhoid Clean,” and number and percentage of reactors, United States, 1989–98**

Year beginning July	Chicken tests				Turkey tests			
	States reporting	Chickens in tested flocks (first test)	Reactors <sup>1</sup>		States reporting	Turkeys in tested flocks (first test)	Reactors	
			Number	Percent			Number	Percent
	<i>Number</i>	<i>Thousands</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Percent</i>
1989 .....	47	51,438	341	0.0206	47	5,412,869	0	0.0000
1990 .....	47	48,821	6	0.0000	47	5,442,994	0	0.0000
1991 .....	47	48,820	6	0.0000	47	5,443,000	0	0.0000
1992 .....	47	49,534	11	0.0000	47	5,160,884	0	0.0000
1993 .....	47	49,628	0	0.0000	47	5,339,500	0	0.0000
1994 .....	47	52,668	0	0.0000	47	4,949,240	0	0.0000
1995 .....	48	58,019	0	0.0000	48	4,679,984	0	0.0000
1996 .....	48	58,191	0	0.0000	48	5,905,799	0	0.0000
1997 .....	48	62,402	0	0.0000	48	5,301,183	0	0.0000
1998 .....	48	81,636	0	0.0000	48	5,548,802	0	0.0000

<sup>1</sup> Number of reacting birds and percent of birds tested. Testing year starting July 1, 1989. APHIS, Veterinary Services, (301) 436-7768.

**Table 8-53.—Turkeys: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1991–2000**

Year	Production	Commercial storage at beginning of year	Exports	Commercial storage at end of year	Consumption	
					Total <sup>1 3</sup>	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1991 .....	4,603	306	122	264	4,523	17.9
1992 .....	4,777	264	202	272	4,568	17.9
1993 .....	4,798	272	244	249	4,577	17.7
1994 .....	4,937	249	280	254	4,652	17.8
1995 .....	5,069	254	348	271	4,706	17.9
1996 .....	5,401	271	438	328	4,906	18.5
1997 .....	5,412	328	606	415	4,720	17.6
1998 <sup>3</sup> .....	5,215	415	446	304	4,880	18.0
1999 <sup>4</sup> .....	5,230	304	371	252	4,911	18.0
2000 <sup>4</sup> .....	5,332	252	390	350	4,944	18.0

<sup>1</sup>Totals may not add due to rounding. <sup>2</sup>Shipments to territories now included in consumption. <sup>3</sup>Preliminary. <sup>4</sup>Forecast. ERS, Animal Products Branch, (202) 694-5180.

**Table 8-54.—Turkeys: Production, and value, United States, 1989–98**

Year	Number raised <sup>1</sup>	Pounds (live weight) produced	Price per pound live weight	Value of production
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1989 .....	261,394	5,467,629	40.9	2,235,145
1990 .....	282,445	6,043,155	39.6	2,393,375
1991 .....	284,910	6,114,620	38.5	2,352,986
1992 .....	289,880	6,355,293	37.7	2,396,364
1993 .....	287,650	6,432,577	39.0	2,509,127
1994 .....	286,585	6,540,295	40.4	2,643,057
1995 .....	292,356	6,761,327	41.0	2,769,397
1996 .....	302,713	7,222,834	43.3	3,124,496
1997 .....	301,251	7,225,059	39.9	2,884,377
1998 <sup>2</sup> .....	283,503	7,002,768	38.0	2,661,706

<sup>1</sup>Total poult hatched less death loss of poults and young turkeys during the year. <sup>2</sup>Preliminary. NASS, Livestock Branch, (202) 720-6146.

**Table 8-55.—Turkeys: Production and value, by State, 1998<sup>1</sup>**

State	Number raised <sup>2</sup>	Pounds produced	Price per pound <sup>3</sup>	Value of production
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
AR .....	28,000	495,600	0.40	198,240
CA .....	19,000	442,700	0.41	181,507
CT .....	5	130	1.00	130
IL .....	3,200	80,960	0.39	31,574
IN .....	13,500	352,350	0.39	137,417
MD & DE .....	600	15,000	0.43	6,450
MA .....	80	2,040	1.25	2,550
MN .....	44,500	1,027,950	0.35	359,783
MO .....	22,000	598,400	0.40	239,360
NH .....	14	336	1.40	470
NJ .....	71	1,512	0.80	1,210
NY .....	500	11,950	0.40	4,780
NC .....	50,000	1,270,000	0.37	469,900
ND .....	1,800	41,580	0.35	14,553
OH .....	5,500	178,750	0.33	58,988
PA .....	10,500	233,100	0.38	88,578
SC .....	10,600	356,160	0.38	135,341
SD .....	3,800	123,120	0.35	43,092
VT .....	41	984	1.04	1,023
VA .....	26,000	533,000	0.39	207,870
WV .....	4,300	88,150	0.39	34,379
Other States <sup>4</sup> .....	39,492	1,148,996	0.39	444,511
US .....	283,503	7,002,768	38.0	2,661,706

<sup>1</sup>Preliminary. <sup>2</sup>Based on turkeys placed Sep. 1, 1997, through Aug. 31, 1998. Excludes young turkeys lost. <sup>3</sup>Live weight equivalent price. <sup>4</sup>CO, GA, IA, KS, MI, NE, OK, OR, TX, UT, and WI combined to avoid disclosing individual operations.

NASS, Livestock Branch, (202) 720-6146.

**Table 8-56.—Turkeys: Poults placed by commercial hatcheries, United States, 1989-98**

Year	Total all breeds	Year	Total all breeds
	<i>Thousands</i>		<i>Thousands</i>
1989 .....	290,678	1994 .....	317,468
1990 .....	304,863	1995 .....	321,651
1991 .....	308,083	1996 .....	327,213
1992 .....	307,823	1997 .....	321,487
1993 .....	308,871	1998 .....	297,798

NASS, Livestock Branch, (202) 720-6146.

**Table 8-57.—Turkeys: Poults placed by commercial hatcheries, U.S. and regions, Monthly, 1997 and 1998**

Month	United States			1998				
	1997	1998	1998 as percent of 1997	East North Central	West North Central	North and South Atlantic	South Central	West
	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Per-cent</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>
All breeds:								
Jan .....	27,121	26,240	97	3,437	7,885	9,151	3,421	2,346
Feb .....	27,145	25,093	92	3,378	7,356	8,575	3,090	2,694
Mar .....	27,610	26,362	95	3,543	8,648	8,816	2,851	2,504
Apr .....	28,220	25,747	91	3,809	8,063	8,316	2,802	2,757
May .....	29,111	25,677	88	3,454	8,063	8,090	2,998	3,072
June .....	28,381	26,957	95	3,610	9,055	8,777	2,714	2,801
July .....	30,092	26,247	87	3,845	8,566	7,533	2,805	3,498
Aug .....	26,321	24,450	93	3,569	7,813	7,854	2,647	2,567
Sept .....	23,907	21,124	88	3,358	6,974	6,901	2,430	1,461
Oct .....	24,587	22,749	93	3,802	7,175	7,519	2,537	1,716
Nov .....	23,281	22,167	95	3,287	7,397	6,940	2,744	1,799
Dec .....	25,711	24,985	95	3,623	8,844	7,657	2,770	2,091
Total .....	321,487	297,798	93	42,715	95,839	96,129	33,809	29,306

NASS, Livestock Branch, (202) 720-6146.

**Table 8-58.—Eggs: Production in specified countries, 1994–98**

Continent and country	1994	1995	1996	1997	1998 <sup>1</sup>
	<i>Million pieces</i>	<i>Million pieces</i>	<i>Million pieces</i>	<i>Million pieces</i>	<i>Million pieces</i>
<b>North America:</b>					
Canada .....	5,736	5,792	5,881	5,931	6,040
Mexico .....	25,896	25,760	26,045	28,170	29,000
United States .....	74,136	74,592	76,452	77,515	79,764
<b>Total .....</b>	<b>105,768</b>	<b>106,144</b>	<b>108,378</b>	<b>111,616</b>	<b>114,804</b>
<b>South America:</b>					
Brazil .....	13,460	16,065	15,932	12,596	13,600
Colombia .....	6,357	6,912	7,182	7,411	7,782
<b>Total .....</b>	<b>19,817</b>	<b>22,977</b>	<b>23,114</b>	<b>20,007</b>	<b>21,382</b>
<b>European Union:</b>					
Belgium and Luxembourg .....	3,600	3,858	3,700	3,615	3,488
Denmark .....	1,382	1,474	1,500	1,600	1,600
France .....	16,370	16,911	16,500	16,084	16,250
Germany <sup>2</sup> .....	13,960	13,838	13,922	14,025	14,075
Greece .....	2,500	2,600	2,650	2,640	2,640
Ireland .....	605	610	539	544	550
Italy .....	11,599	12,017	11,923	12,298	12,290
Netherlands .....	10,306	9,970	9,879	10,092	10,492
Portugal .....	1,831	1,869	1,797	1,779	1,700
Spain .....	9,670	9,983	8,952	9,450	9,250
United Kingdom .....	10,620	10,644	10,668	10,752	10,480
<b>Total .....</b>	<b>82,443</b>	<b>83,774</b>	<b>82,030</b>	<b>82,879</b>	<b>82,815</b>
<b>Eastern Europe:</b>					
Poland .....	6,100	6,500	6,600	7,700	8,300
Romania .....	3,300	3,650	5,200	4,750	4,700
<b>Total .....</b>	<b>9,400</b>	<b>10,150</b>	<b>11,800</b>	<b>12,450</b>	<b>13,000</b>
<b>Former Soviet Union:</b>					
Russia .....	37,400	33,720	31,500	31,900	35,000
Ukraine .....	10,145	9,500	8,633	8,246	8,400
<b>Total .....</b>	<b>47,545</b>	<b>43,220</b>	<b>40,133</b>	<b>40,146</b>	<b>43,400</b>
<b>Middle East:</b>					
Turkey .....	7,900	8,000	8,500	9,100	9,750
<b>Total .....</b>	<b>7,900</b>	<b>8,000</b>	<b>8,500</b>	<b>9,100</b>	<b>9,750</b>
<b>Asia:</b>					
China .....	281,010	301,860	312,640	336,000	345,000
Hong Kong .....	18	21	15	17	12
India .....	24,800	27,300	29,000	29,500	31,000
Japan .....	43,047	42,167	42,786	42,588	42,400
Korea, Republic of .....	8,094	8,317	8,640	8,790	8,458
Taiwan .....	5,673	6,237	6,828	7,636	7,950
Thailand .....	7,530	7,700	8,100	8,900	8,500
<b>Total .....</b>	<b>370,172</b>	<b>393,602</b>	<b>408,009</b>	<b>433,431</b>	<b>443,320</b>
<b>Grand total .....</b>	<b>643,045</b>	<b>667,867</b>	<b>681,964</b>	<b>709,629</b>	<b>728,471</b>

<sup>1</sup> Preliminary. <sup>2</sup> Includes the former East Germany. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information. FAS, Production Estimates and Crop Assessment Division, (202) 720-8031.

**Table 8-59.—Eggs: Supply, distribution, and per capita consumption, United States, 1991–2000<sup>1</sup>**

Year	Total egg production	Storage at beginning of the year <sup>1</sup>	Imports <sup>2</sup>	Exports <sup>2</sup>	Eggs used for hatching	Consumption		
						Storage at end of the year <sup>2</sup>	Total <sup>3</sup>	Per capita
	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Number</i>
1991 .....	5,801	12	2	154	709	13	4,938	235
1992 .....	5,905	13	4	157	732	13	5,020	236
1993 .....	6,006	13	5	159	770	11	5,085	236
1994 .....	6,178	11	4	188	805	15	5,184	239
1995 .....	6,231	15	4	209	847	11	5,182	236
1996 .....	6,358	11	5	253	864	9	5,269	238
1997 .....	6,473	9	7	228	895	7	5,359	240
1998 <sup>4</sup> .....	6,658	7	6	219	922	8	5,522	245
1999 <sup>5</sup> .....	6,911	8	7	159	974	8	5,819	256
2000 <sup>5</sup> .....	7,080	8	4	160	1,000	5	5,927	258

<sup>1</sup> Calendar years. <sup>2</sup> Shell eggs and the approximate shell-egg equivalent of egg product. <sup>3</sup> Shipments to territories now included in total consumption. <sup>4</sup> Preliminary. <sup>5</sup> Forecast. ERS, Animal Products Branch, (202) 694-5180.

**Table 8-60.—Eggs: Number of layers and pullets, rate of lay, and production, by State and United States, 1998 and 1999<sup>1</sup>**

State	1998			1999		
	Average number of layers during year	Rate of lay per layer during year <sup>2</sup>	Eggs produced	Average number of layers during year	Rate of lay per layer during year <sup>2</sup>	Eggs produced
	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>
AL .....	10,885	230	2,507	10,649	230	2,450
AR .....	14,721	220	3,233	15,189	228	3,458
CA .....	25,161	263	6,608	25,523	259	6,606
CO .....	3,658	258	945	3,537	260	921
CT .....	3,095	271	839	3,074	269	828
DE .....	392	235	92	994	259	257
FL .....	10,129	251	2,539	10,675	260	2,772
GA .....	21,034	244	5,126	21,039	246	5,172
HI .....	632	244	154.4	615	242	149.0
ID .....	907	273	248	918	278	255
IL .....	3,156	266	838	3,238	271	876
IN .....	21,787	268	5,831	22,035	265	5,838
IA .....	23,044	259	5,969	25,623	264	6,754
KS .....	1,443	271	392	1,501	258	387
KY .....	3,517	245	863	3,795	243	922
LA .....	1,925	247	475	1,915	251	481
ME .....	4,789	287	1,373	4,743	286	1,356
MD .....	3,315	262	867	3,343	267	894
MA .....	479	290	139	392	278	109
MI .....	5,318	262	1,395	5,856	262	1,533
MN .....	12,032	262	3,152	12,310	255	3,138
MS .....	6,776	230	1,555	6,759	232	1,569
MO .....	6,644	261	1,732	6,390	265	1,690
MT .....	290	290	84	290	324	94
NE .....	10,398	260	2,706	11,167	254	2,837
NH .....	159	263	42	134	251	34
NJ .....	2,051	238	488	1,915	286	547
NY .....	3,473	284	986	3,633	280	1,017
NC .....	11,280	227	2,555	11,316	229	2,587
OH .....	28,037	266	7,446	30,730	267	8,193
OK .....	4,007	231	927	4,050	233	945
OR .....	2,853	266	758	2,902	267	774
PA .....	22,049	271	5,983	22,634	271	6,135
RI .....	4,640	256	1,189	4,908	248	1,215
SC .....	2,265	273	618	2,171	273	592
SD .....	77	286	22	57	263	15
TN .....	1,289	232	299	1,217	225	274
TX .....	17,079	249	4,257	17,382	254	4,413
UT .....	1,824	262	478	1,913	272	521
VT .....	221	292	65	226	285	65
VA .....	3,647	236	860	3,608	234	845
WA .....	5,022	278	1,394	4,802	273	1,312
WV .....	1,147	210	241	1,099	216	237
WI .....	3,678	263	967	3,767	274	1,031
WY .....	12	300	3.6	12	300	3.6
Oth Sts <sup>3</sup> .....	1,696	262	445	2,277	265	604
US <sup>4</sup> .....	312,035	255	79,690	322,322	257	82,707

<sup>1</sup> Annual production estimates for eggs reported on Dec. 1 through Nov. 30 marketing year. <sup>2</sup> Number of eggs produced during the year divided by average of layers hand during the year. <sup>3</sup> AK, AZ, NV, NM, and ND combined to avoid disclosure of individual operations. <sup>4</sup> Sum of States may not add to U.S. total due to rounding.

NASS, Livestock Branch, (202) 720-3570.

**Table 8-61.—Eggs, shell: Average price per dozen on consumer Grade A cartoned white eggs to volume buyers, store-door delivery, New York metropolitan area, 1990-99**

Year	Large	Year	Large
	<i>Cents</i>		<i>Cents</i>
1990 .....	82.19	1995 .....	67.26
1991 .....	77.52	1996 .....	73.00
1992 .....	65.41	1997 .....	81.21
1993 .....	72.53	1998 .....	75.80
1994 .....	67.23	1999 .....	65.60

AMS, Poultry Division, Market News Branch, (202) 720-6911.

**Table 8-62.—Eggs: Number, rate of lay, production, and value, United States, 1990–99<sup>1</sup>**

Year	Layers average number during year	Rate of lay per layer during year <sup>2</sup>	Eggs, total produced	Price per dozen	Value of production <sup>3</sup>
	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1990 .....	270,946	251	68,134	0.708	4,021,355
1991 .....	275,451	252	69,465	0.676	3,914,659
1992 .....	278,824	254	70,749	0.576	3,397,462
1993 .....	284,770	253	71,936	0.634	3,800,237
1994 .....	291,035	254	73,903	0.615	3,789,834
1995 .....	294,350	254	74,764	0.625	3,892,912
1996 .....	298,270	256	76,377	0.750	4,776,252
1997 .....	303,604	255	77,532	0.703	4,539,929
1998 .....	312,035	255	79,690	0.655	4,349,521
1999 <sup>4</sup> .....	322,322	257	82,707	NA	NA

<sup>1</sup> Annual production estimates for eggs reported on Dec. 1 through Nov. 30 marketing year. <sup>2</sup> Number of eggs produced during the year divided by the average of layers on hand during the year. <sup>3</sup> Value of sales plus value of eggs consumed in households of producers. <sup>4</sup> Preliminary. NA-not available.

NASS, Livestock Branch, (202) 720-6146.

**Table 8-63.—Eggs: Production and value, by States, 1998 preliminary<sup>1</sup>**

State	Eggs produced	Price per dozen <sup>2</sup>	Value of production	State	Eggs produced	Price per dozen <sup>2</sup>	Value of production
	<i>Millions</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Millions</i>	<i>Dollars</i>	<i>1,000 dollars</i>
AL .....	2,518	1.030	216,128	NJ .....	488	0.570	23,180
AR .....	3,233	0.978	263,490	NM .....	299	0.550	13,704
CA .....	6,608	0.561	308,924	NY .....	986	0.620	50,943
CO .....	945	0.671	52,841	NC .....	2,555	0.890	189,496
CT .....	839	0.589	41,181	ND .....	60	0.450	2,250
DE .....	92	1.380	10,580	OH .....	7,395	0.570	351,263
FL .....	2,528	0.535	112,707	OK .....	927	0.760	60,255
GA .....	5,126	0.880	375,907	OR .....	758	0.590	37,268
HI .....	156	0.871	11,323	PA .....	5,983	0.610	304,136
ID .....	248	0.696	14,384	RI .....	22	0.639	1,172
IL .....	838	0.618	43,157	SC .....	1,189	0.696	68,962
IN .....	5,831	0.588	285,709	SD .....	618	0.430	22,145
IA .....	5,969	0.452	224,832	TN .....	299	0.926	23,073
KS .....	392	0.468	15,269	TX .....	4,257	0.715	253,646
KY .....	863	0.725	52,140	UT .....	478	0.520	20,713
LA .....	475	0.848	33,567	VT .....	55	0.628	2,852
ME .....	1,373	0.630	72,083	VA .....	860	0.933	66,865
MD .....	867	0.697	50,358	WA .....	1,394	0.594	69,023
MA .....	139	0.642	7,431	WV .....	241	1.250	25,104
MI .....	1,395	0.500	58,104	WI .....	1,031	0.514	44,161
MN .....	3,152	0.480	126,080	WY .....	3.6	0.570	171
MS .....	1,578	1.210	159,115	Other			
MO .....	1,732	0.530	76,497	States <sup>3</sup> .....	86	0.545	3,904
MT .....	84	0.550	3,850	US <sup>4</sup> .....	79,717	0.655	4,349,521
NE .....	2,706	0.430	96,965				
NH .....	42	0.750	2,613				

<sup>1</sup> Estimates cover the 12-month period Dec. 1, previous year through Nov. 30. <sup>2</sup> Average mid-month price of all eggs sold by producers including hatching eggs. <sup>3</sup> AK, AZ, and NV combined to avoid disclosure of individual operations. <sup>4</sup> Sum of States may not add to U.S. total due to rounding.

NASS, Livestock Branch, (202) 720-6146.

**Table 8-64.—Eggs: Broken under Federal inspection, United States, 1998–99**

Item	Quantity	
	1998	1999
Shell eggs broken .....	<i>1,000 dozen</i> 1,645,178	<i>1,000 dozen</i> 1,754,671
Edible liquid from shell eggs broken:	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Whole .....	1,262,186	1,352,429
White .....	524,864	560,291
Yolk .....	277,513	300,370
Total .....	2,064,563	2,213,090
Inedible liquid from shell eggs broken	183,346	198,059

NASS, Livestock Branch, (202) 720-6351.

**Table 8-65.—Poultry and poultry products: Cold storage holdings, end of month, United States, 1998 and 1999**

Month	Frozen eggs							
	Whites		Yolks		Whole & mixed		Unclassified	
	1998	1999	1998	1999	1998	1999	1998	1999
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	843	1,174	1,240	658	9,058	8,469	908	746
February .....	1,005	1,052	1,097	730	8,814	8,151	1,358	905
March .....	1,108	849	1,011	573	6,761	6,714	1,494	1,102
April .....	972	660	1,027	646	5,347	6,674	1,876	1,376
May .....	1,006	627	1,162	738	8,394	6,779	2,305	1,541
June .....	856	620	1,000	842	6,306	8,175	2,014	1,635
July .....	869	707	986	861	6,996	7,964	2,907	1,600
August .....	915	665	933	677	5,802	6,255	1,343	1,213
September ..	753	577	896	697	5,618	7,202	928	1,006
October .....	857	471	741	665	6,683	6,781	750	1,053
November ...	895	494	898	762	6,943	6,716	560	482
December ...	1,247	501	1,028	722	8,107	8,085	652	763

Month	Frozen eggs, total		Frozen chicken					
	1998	1999	Broilers (Whole)		Hens		Other chicken (parts)	
			1998	1999	1998	1999	1998	1999
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	12,049	11,047	24,683	22,947	5,546	7,564	628,043	686,240
February .....	12,274	10,838	21,962	23,406	5,150	8,760	638,221	690,314
March .....	10,374	9,238	18,895	24,968	5,056	10,915	672,092	751,818
April .....	9,222	9,356	21,797	25,500	5,013	10,480	680,740	783,632
May .....	12,867	9,685	18,361	32,557	8,874	10,421	656,337	770,755
June .....	10,176	11,272	19,053	32,428	9,183	10,824	582,859	798,762
July .....	11,758	11,132	15,448	33,819	9,283	10,362	553,780	828,087
August .....	8,993	8,810	12,037	31,316	8,822	11,040	545,143	803,982
September ..	8,195	9,482	13,844	29,774	7,722	9,880	584,132	854,961
October .....	9,031	8,970	12,692	39,080	5,848	9,401	600,342	772,018
November ...	9,296	8,454	15,418	44,056	5,545	8,117	642,346	743,066
December ...	11,034	10,071	18,630	34,692	6,256	7,763	692,463	760,904

Month	Frozen chicken, total		Frozen turkey					
	1998	1999	Whole		Other		Total	
			1998	1999	1998	1999	1998	1999
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	658,272	716,751	228,445	147,302	269,138	216,539	497,583	363,841
February .....	665,333	722,480	263,275	177,209	249,393	198,422	512,668	375,631
March .....	696,043	787,701	281,371	184,809	245,649	190,136	527,020	374,945
April .....	707,550	819,612	315,803	239,906	263,861	215,505	579,664	455,411
May .....	683,572	813,733	350,508	274,067	263,632	220,210	614,140	494,277
June .....	611,095	842,034	389,464	328,810	267,036	227,326	656,500	556,136
July .....	578,511	872,268	423,662	384,022	278,114	214,991	701,776	599,013
August .....	566,002	846,338	462,814	369,435	244,013	210,871	706,827	580,306
September ..	605,698	894,615	463,797	400,438	235,688	195,920	699,485	596,358
October .....	618,882	820,499	439,273	317,885	219,459	176,611	658,732	494,496
November ...	663,309	795,239	118,185	95,093	192,178	157,178	310,363	252,271
December ...	717,349	803,359	105,819	90,538	198,490	163,713	304,309	254,251

Month	Frozen ducks		Total frozen poultry	
	1998	1999	1998	1999
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	2,286	4,177	1,158,141	1,084,769
February .....	2,556	4,548	1,180,557	1,102,659
March .....	3,423	5,868	1,226,486	1,168,514
April .....	4,313	6,010	1,291,527	1,281,033
May .....	5,430	5,447	1,303,142	1,313,457
June .....	5,835	5,536	1,273,430	1,403,706
July .....	4,937	5,335	1,285,224	1,476,616
August .....	5,597	5,322	1,278,426	1,431,966
September ..	4,619	5,990	1,309,802	1,496,963
October .....	5,092	5,339	1,282,706	1,320,334
November ...	4,491	4,497	978,163	1,052,007
December ...	3,757	3,760	1,025,415	1,061,370

**Table 8-66.—Dairy products: Cold storage holdings, end of month, United States, 1998 and 1999**

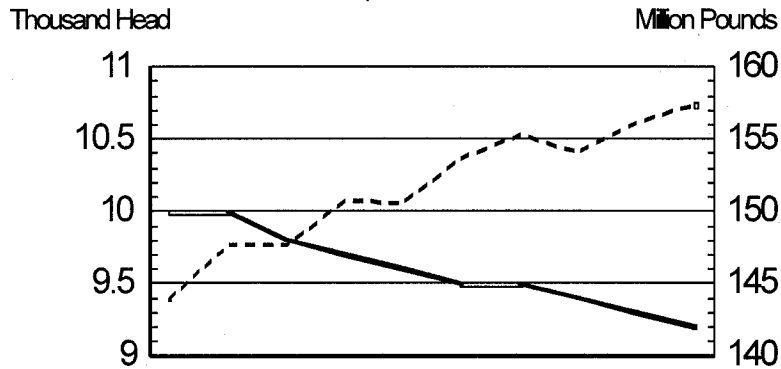
Month	Butter		American cheese	
	1998	1999	1998	1999
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	34,166	60,757	406,958	452,205
February .....	44,199	94,971	410,717	464,724
March .....	55,919	108,441	421,979	467,663
April .....	67,415	125,520	439,787	514,413
May .....	72,702	136,575	443,730	558,952
June .....	60,550	120,606	450,216	531,268
July .....	50,979	123,552	461,123	543,642
August .....	41,070	90,728	441,605	508,305
September ..	34,077	71,473	417,489	473,639
October .....	31,164	64,226	394,692	459,404
November ...	28,698	30,184	388,529	448,250
December ...	25,910	25,082	407,692	457,990

Month	Swiss cheese		Other natural cheese	
	1998	1999	1998	1999
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	14,380	10,993	87,985	159,239
February .....	15,441	12,054	95,350	159,095
March .....	13,571	13,538	97,553	163,850
April .....	12,581	12,066	105,252	162,172
May .....	11,302	11,978	113,449	170,359
June .....	11,460	11,725	122,041	185,427
July .....	10,823	10,590	123,875	194,486
August .....	11,560	9,919	123,603	176,473
September ..	12,741	10,483	122,765	167,148
October .....	12,362	9,372	115,685	153,233
November ...	11,911	9,075	94,029	134,397
December ...	11,838	8,381	97,685	154,890

Month	Total Natural cheese	
	1998	1999
	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	509,323	622,437
February .....	521,508	635,873
March .....	533,103	645,051
April .....	557,620	688,651
May .....	568,481	741,289
June .....	583,717	728,420
July .....	595,821	748,718
August .....	576,768	694,697
September ..	552,995	651,270
October .....	522,712	622,009
November ...	494,469	591,722
December ...	517,215	621,261

NASS, Livestock Branch, (202) 720-8784.

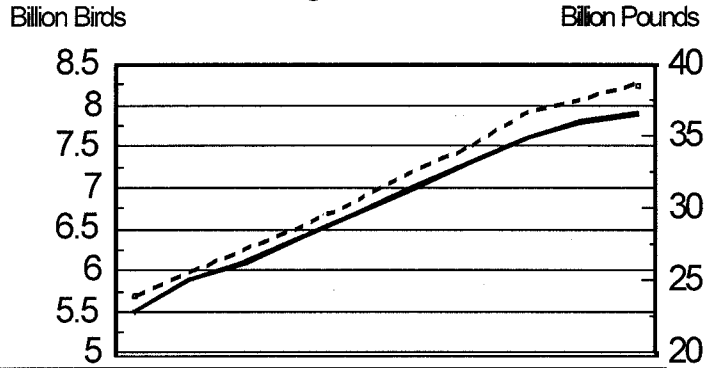
### Milk Cows: Production & Number, 1989-98



Year	89	90	91	92	93	94	95	96	97	98
Production	143.9	147.7	147.7	150.8	150.6	153.6	155.3	154.0	156.1	157.4
Number	10.0	10.0	9.8	9.7	9.6	9.5	9.5	9.4	9.3	9.2

NASS Table 8-8

### Broilers: Number & Production Weight, 1989-98



Year	89	90	91	92	93	94	95	96	97	98
Prod. Weight	24.0	25.6	27.2	28.8	30.6	32.5	34.2	36.5	37.5	38.6
Number	5.5	5.9	6.1	6.4	6.7	7.0	7.3	7.6	7.8	7.9

NASS Table 8-45