

Milk Production



United States
Department of
Agriculture

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June Milk Production Down 3 Percent

Milk production in the 22 major States during June totaled 11.2 billion pounds, 3 percent below production in these same States in June 1995. May revised production, at 11.7 billion pounds was 2 percent less than May 1995. On a daily basis, milk production has been below 1995 levels every month this year.

Production per cow in the 22 major States averaged 1,401 pounds for June, 20 pounds below June 1995. This is the second month in a row that the rate has decreased when compared to a year ago.

The number of cows on farms in the 22 major States was 7.98 million head, 87,000 head less than June 1995 and 8,000 head less than May 1996.

During the April-June period, the 22 major States produced 34.4 billion pounds of milk, 86.2 percent of the U.S. production. If the remaining 28 States not surveyed monthly followed the same pattern as the 22 States, the U.S. production would be 13.3 billion pounds for April 1996, 13.6 billion pounds for May 1996, 13.0 billion pounds for June 1996.

April-June Milk Production Down 2 Percent

The quarterly production of milk for the U.S. was 39.9 billion pounds, 2 percent below the April-June period last year. The average number of milk cows in the U.S. during the April-June quarter was 9.38 million head, 100,000 head less than the same period last year.

Grain and Other Concentrates Fed

Grain and other concentrates fed to milk cows on July 1, 1996, averaged 18.3 pounds unchanged from July 1, 1995, but down 0.3 pounds from April 1, 1996.

Value of Grain and Other Concentrates

The value of grain and other concentrates fed to milk cows on July 1, 1996 averaged a record high of \$9.87 per hundredweight, \$2.21 or 29 percent more than the price on July 1, 1995.

Milk Cows and Production: By Quarter, United States, 1995-96

Quarter	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		
	1995	1996	1995	1996	1995	1996	1996 as % of 1995
	----	1,000	----	Pounds	Million Pounds	Percent	
Jan-Mar	9,470	9,402	4,112	4,160	38,941	39,111	100
Apr-Jun	9,477	9,377	4,276	4,250	40,520	39,851	98
Jul-Sep	9,465		4,049		38,325		
Oct-Dec	9,432		4,014		37,857		
Annual	9,461		16,451		155,644		

1/ Includes dry cows, excludes heifers not yet fresh.
 2/ Excludes milk sucked by calves.

Milk Cows and Production: By Month, 22 Selected States, 1995-96

Month	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		
	1995	1996	1995	1996	1995	1996	1996 as % of 1995
	----	1,000	----	Pounds	Million Pounds	Percent	
Jan	8,046	8,026	1,404	1,406	11,296	11,285	100
Feb	8,050	8,010	1,295	1,338	10,423	10,719	103
Mar	8,061	7,998	1,453	1,459	11,709	11,671	100
Apr	8,058	7,988	1,427	1,434	11,501	11,451	100
May	8,056	7,987	1,484	1,470	11,959	11,740	98
Jun	8,066	7,979	1,421	1,401	11,465	11,175	97
Jul	8,062		1,414		11,397		
Aug	8,062		1,375		11,086		
Sep	8,061		1,331		10,729		
Oct	8,050		1,364		10,978		
Nov	8,043		1,320		10,616		
Dec	8,034		1,380		11,088		
Annual	8,054		16,668		134,247		

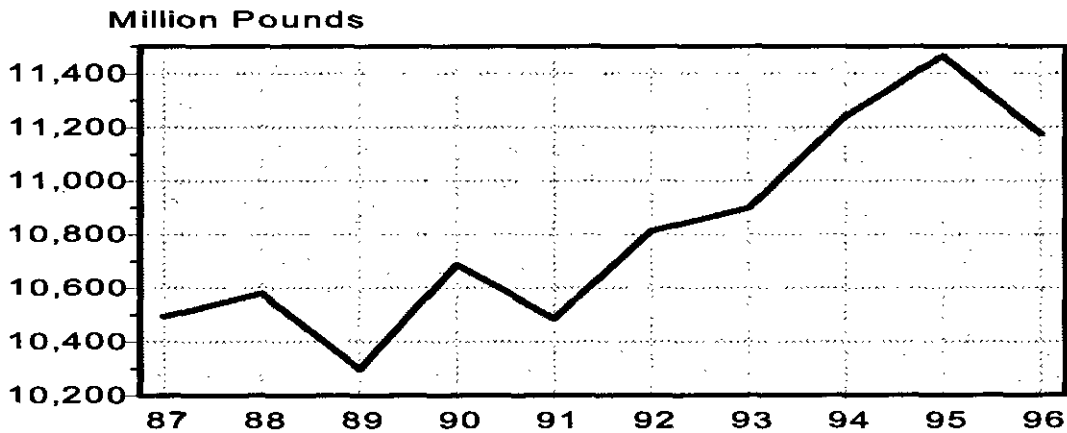
1/ Includes dry cows, excludes heifers not yet fresh.
 2/ Excludes milk sucked by calves.

Milk Cows and Production: By State, June 1995-96

State	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		1996 as % of 1995
	1995	1996	1995	1996	1995	1996	
	---- 1,000 ----		Pounds		Million Pounds		Percent
CA	1,254	1,262	1,695	1,705	2,126	2,152	101
FL	162	156	1,220	1,220	198	190	96
ID	232	252	1,530	1,560	355	393	111
IL	163	160	1,340	1,330	218	213	98
IN	144	140	1,290	1,300	186	182	98
IA	251	249	1,365	1,285	343	320	93
KY	163	154	1,060	985	173	152	88
MD	93	87	1,195	1,220	111	106	95
MI	326	326	1,465	1,405	478	458	96
MN	600	595	1,370	1,365	822	812	99
MO	191	180	1,200	1,100	229	198	86
NM	196	194	1,585	1,690	311	328	105
NY	702	704	1,430	1,410	1,004	993	99
NC	86	83	1,365	1,260	117	105	90
OH	289	285	1,370	1,300	396	371	94
PA	639	643	1,400	1,360	895	874	98
TN	127	114	1,150	1,070	146	122	84
TX	402	400	1,255	1,285	505	514	102
VT	157	157	1,375	1,355	216	213	99
VA	129	126	1,240	1,130	160	142	89
WA	268	262	1,695	1,700	454	445	98
WI	1,492	1,450	1,355	1,305	2,022	1,892	94
22 State:							
Total	8,066	7,979	1,421	1,401	11,465	11,175	97

1/ Includes dry cows, excludes heifers not yet fresh.
 2/ Excludes milk sucked by calves.

June Milk Production, 1987-1996
 22 States 1/



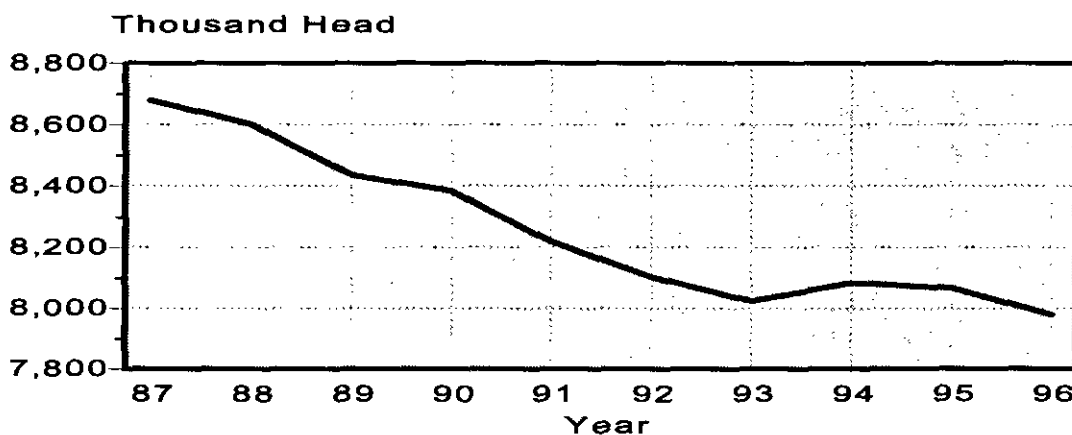
1/ Includes New Mexico beginning in 1994.

Milk Cows and Production: By State, May 1995-96 1/

State	Milk Cows 2/		Milk per Cow 3/		Milk Production 3/		
	1995	1996	1995	1996	1995	1996	1996 as % of 1995
	---- 1,000 ----		Pounds		Million Pounds		Percent
CA	1,253	1,262	1,775	1,770	2,224	2,234	100
FL	162	157	1,315	1,375	213	216	101
ID	229	250	1,560	1,580	357	395	111
IL	163	160	1,380	1,400	225	224	100
IN	144	140	1,380	1,350	199	189	95
IA	251	249	1,410	1,330	354	331	94
KY	163	155	1,140	1,085	186	168	90
MD	93	87	1,320	1,310	123	114	93
MI	326	326	1,510	1,470	492	479	97
MN	595	595	1,430	1,400	851	833	98
MO	194	182	1,300	1,305	252	238	94
NM	190	194	1,695	1,735	322	337	105
NY	704	703	1,460	1,450	1,028	1,019	99
NC	87	83	1,480	1,430	129	119	92
OH	289	285	1,425	1,400	412	399	97
PA	639	643	1,470	1,460	939	939	100
TN	129	115	1,240	1,220	160	140	88
TX	400	400	1,380	1,425	552	570	103
VT	156	156	1,430	1,415	223	221	99
VA	129	126	1,350	1,240	174	156	90
WA	266	262	1,755	1,750	467	459	98
WI	1,494	1,457	1,390	1,345	2,077	1,960	94
22 State:							
Total	8,056	7,987	1,484	1,470	11,959	11,740	98

1/ 1996 revised. 2/ Includes dry cows, excludes heifers not yet fresh.
3/ Excludes milk sucked by calves.

June Milk Cows, 1987-1996
22 States 1/



1/ Includes New Mexico beginning in 1994.

Milk Cows and Production: By State and United States
Revised January-March 1995-96

State	Jan-Mar Milk Cows 1/		Jan-Mar Milk Production 2/		1996
	1995	1996	1995	1996	as % of 1995
	---- 1,000 ----		-- Million Pounds --		Percent
AL	35	32	138	126	91
AK	0.7	0.8	2.8	3.1	111
AZ	113	118	590	639	108
AR	61	59	189	186	98
CA	1,251	1,260	6,197	6,276	101
CO	83	83	386	396	103
CT	32	31	137	132	96
DE	10	9.7	39.2	36.5	93
FL	167	155	683	657	96
GA	102	97	433	410	95
HI	10.4	10	36.7	33.3	91
ID	221	246	968	1,073	111
IL	163	160	637	647	102
IN	145	140	554	550	99
IA	251	250	1,001	934	93
KS	81	85	305	310	102
KY	163	156	512	486	95
LA	80	78	258	235	91
ME	39	40	157	162	103
MD	92	89	349	345	99
MA	28	27	112	110	98
MI	326	327	1,383	1,394	101
MN	600	598	2,391	2,441	102
MS	56	53	201	181	90
MO	194	184	702	666	95
MT	21	20	77	75	97
NE	74	69	272	268	99
NV	24	23	105.6	101.2	96
NH	19	20	79	86	109
NJ	23	23	84	83	99
NM	179	193	888	919	103
NY	707	700	2,851	2,951	104
NC	89	85	380	363	96
ND	65	63	207	208	100
OH	289	285	1,159	1,128	97
OK	98	97	333	325	98
OR	98	94	417	396	95
PA	640	646	2,631	2,723	103
RI	2.2	2	8.2	7.9	96
SC	27	26	108	104	96
SD	120	113	394	375	95
TN	130	119	462	425	92
TX	399	400	1,646	1,682	102
UT	87	90	353	358	101
VT	156	157	621	641	103
VA	129	127	506	466	92
WA	261	263	1,294	1,277	99
WV	22	21	70	68	97
WI	1,499	1,470	5,613	5,631	100
WY	6	6	20.7	21.3	103
US 3/	9,470	9,402	38,941	39,111	100

- 1/ Includes dry cows, excludes heifers not yet fresh.
2/ Excludes milk sucked by calves.
3/ Milk cows will not add due to rounding.

Milk Cows and Production: By State and United States
Preliminary April-June 1995-96

State	Apr-Jun Milk Cows 1/		Apr-Jun Milk Production 2/		1996
	1995	1996	1995	1996	as % of 1995
	---- 1,000 ----		-- Million Pounds --		Percent
AL	34	32	131	114	87
AK	0.7	0.8	2.98	3.43	115
AZ	115	122	597	681	114
AR	61	58	195	174	89
CA	1,253	1,262	6,478	6,555	101
CO	83	84	391	416	106
CT	32	31	134	128	96
DE	10	10	37.7	38.6	102
FL	163	157	633	626	99
GA	101	96	420	379	90
HI	10.6	9.3	39.5	34.6	88
ID	229	250	1,050	1,158	110
IL	163	160	666	656	98
IN	144	140	575	556	97
IA	251	249	1,038	971	94
KS	81	83	305	295	97
KY	163	155	544	488	90
LA	79	78	243	225	93
ME	40	40	165	166	101
MD	93	87	353	334	95
MA	28	28	114	112	98
MI	326	326	1,439	1,406	98
MN	597	595	2,485	2,451	99
MS	56	52	195	176	90
MO	193	182	735	672	91
MT	21	20	81	77	95
NE	74	69	276	258	93
NV	24	24	110.4	110.4	100
NH	20	20	84	87	104
NJ	23	23	83	83	100
NM	190	194	942	987	105
NY	704	702	3,012	3,006	100
NC	87	83	376	346	92
ND	65	63	221	214	97
OH	289	285	1,210	1,163	96
OK	98	98	333	330	99
OR	98	93	436	415	95
PA	639	643	2,741	2,736	100
RI	2.2	2	8.5	7.9	93
SC	27	26	104	98	94
SD	118	112	422	377	89
TN	129	115	468	406	87
TX	401	400	1,617	1,662	103
UT	88	92	378	399	106
VT	156	156	654	649	99
VA	129	126	506	455	90
WA	267	262	1,367	1,340	98
WV	21	20	67	64	96
WI	1,494	1,456	6,036	5,743	95
WY	6.1	6.1	21.4	21.7	101
US 3/	9,477	9,377	40,520	39,851	98

1/ Includes dry cows, excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

3/ Milk cows will not add due to rounding.

Grain and Other Concentrates: Quantity Fed Daily and Value
By State and United States, July 1, 1995-96

State	: Grain and Other Concentrates : Value per 100 Pounds of Concentrate		: Fed Daily per Milk Cow : Ration Fed to Milk Cows	
	: 1995	: 1996	: 1995	: 1996
	: Pounds		: Dollars	
AL	18.5	18.4	8.30	10.90
AK	19.5	19.5	13.80	14.20
AZ	21.0	21.5	7.30	9.30
AR	18.0	17.1	7.90	10.10
CA	21.0	21.0	7.50	9.30
CO	22.0	21.0	6.80	9.80
CT	16.5	17.0	8.90	11.40
DE	16.5	14.6	9.00	10.20
FL	25.0	25.0	6.75	8.50
GA	23.0	21.1	7.50	10.10
ID	24.0	23.0	7.20	9.10
IL	17.3	15.4	8.25	10.80
IN	17.0	16.4	7.90	10.10
IA	16.8	16.4	7.20	10.20
KS	19.0	19.0	6.90	10.80
KY	16.0	14.4	8.80	11.00
LA	17.0	18.7	8.10	10.70
ME	16.0	15.5	8.50	11.70
MD	14.2	14.0	9.05	10.60
MA	15.0	14.0	8.80	11.40
MI	17.5	18.0	6.95	9.00
MN	16.8	16.8	7.70	10.20
MS	17.2	17.1	8.10	9.60
MO	18.0	17.5	7.80	9.00
MT	16.3	17.8	7.25	9.30
NE	17.0	15.5	7.40	9.40
NV	20.0	21.0	7.80	10.50
NH	16.5	14.5	8.40	11.70
NJ	14.4	14.5	8.90	12.60
NM	27.0	27.0	6.30	8.30
NY	14.9	14.5	9.10	11.60
NC	17.9	17.6	8.70	11.30
ND	15.9	15.6	5.95	8.10
OH	18.3	16.5	8.30	10.80
OK	19.5	18.5	7.80	10.00
OR	19.5	18.0	8.90	10.00
PA	16.0	16.5	9.25	10.90
RI	15.5	14.5	9.00	11.00
SC	18.5	19.5	7.85	9.60
SD	16.6	15.3	6.50	8.90
TN	16.0	16.0	8.80	11.40
TX	19.8	21.7	6.30	10.20
UT	17.5	17.3	7.50	9.80
VT	15.0	15.0	8.60	11.40
VA	15.6	17.7	8.20	10.20
WA	21.5	20.0	7.70	9.65
WV	14.7	13.2	8.95	10.80
WI	16.7	17.7	6.90	8.85
WY	11.9	12.7	7.05	8.50
US	18.3	18.3	7.66	9.87

Grain and Other Concentrates: Quantity Fed Annually and Value
by State and United States, 1994

State	Annual Quantity Fed to Milk Cows			Annual Average Value of Feed per Cwt	Annual Average Feed Value per Cwt of Milk
	Total : 1,000 Tons	Per Cow : Pounds	Per Cwt : of Milk		
AL	119	6,490	48	8.60	4.14
AK	3	7,200	40	13.62	5.47
AZ	490	8,460	46	7.57	3.45
AR	201	6,540	53	8.21	4.34
CA	4,797	7,770	38	7.79	3.00
CO	343	8,440	44	7.10	3.10
CT	103	6,260	39	8.81	3.39
DE	30	5,860	41	8.94	3.70
FL	877	9,990	67	7.34	4.94
GA	431	8,440	54	7.98	4.29
ID	807	7,760	43	6.68	2.85
IL	560	6,800	44	8.22	3.58
IN	497	6,850	44	8.00	3.55
IA	791	6,210	40	7.68	3.05
KS	277	7,070	49	7.54	3.72
KY	513	6,090	51	8.72	4.46
LA	265	6,670	57	8.44	4.83
ME	115	5,750	36	9.18	3.34
MD	261	5,660	39	8.90	3.45
MA	83	5,650	36	9.21	3.35
MI	998	6,090	36	6.99	2.54
MN	1,962	6,440	42	7.74	3.24
MS	184	6,410	50	8.48	4.27
MO	680	6,890	50	7.87	3.91
MT	69	6,580	45	7.42	3.31
NE	244	6,340	44	7.50	3.30
NV	85	7,530	41	8.34	3.43
NH	57	5,790	37	8.85	3.31
NJ	64	5,230	38	8.74	3.31
NM	765	9,270	46	6.58	3.06
NY	1,997	5,560	35	9.24	3.23
NC	303	6,710	41	8.99	3.69
ND	199	5,880	46	5.93	2.72
OH	949	6,450	42	8.48	3.54
OK	356	7,180	56	8.14	4.53
OR	343	6,860	40	9.04	3.63
PA	1,943	6,080	38	9.22	3.47
RI	6	5,600	39	8.85	3.41
SC	95	6,750	46	8.09	3.71
SD	372	6,220	47	6.70	3.12
TN	445	6,220	50	9.18	4.57
TX	1,741	8,670	56	7.82	4.38
UT	285	6,660	40	7.34	2.95
VT	442	5,600	36	8.94	3.24
VA	384	5,920	40	8.87	3.54
WA	1,039	7,970	40	8.14	3.22
WV	63	5,690	46	8.97	4.13
WI	4,819	6,450	43	7.64	3.28
WY	17	4,710	34	6.32	2.16
US	32,469	6,840	42.3	7.98	3.38

Grain and Other Concentrates: Quantity Fed Annually and Value
by State and United States, 1995

State	Annual Quantity Fed to Milk Cows			Annual Average	Annual Average
	Total	Per Cow	Per Cwt of Milk	Value of Feed per Cwt	Feed Value per Cwt of Milk
	1,000 Tons	Pounds		Dollars	
AL	117	6,950	49	8.56	4.19
AK	3	7,140	42	13.80	5.84
AZ	468	8,220	42	7.78	3.30
AR	202	6,710	55	8.79	4.80
CA	4,685	7,470	37	7.96	2.95
CO	332	8,040	43	7.18	3.11
CT	99	6,250	38	9.01	3.43
DE	30	5,990	41	8.92	3.63
FL	726	8,970	61	7.43	4.54
GA	437	8,710	56	7.92	4.40
ID	949	8,170	45	7.16	3.26
IL	520	6,400	41	8.10	3.30
IN	453	6,300	41	7.79	3.21
IA	786	6,270	39	7.06	2.74
KS	288	7,050	49	7.52	3.68
KY	485	5,990	48	8.76	4.20
LA	268	6,760	59	8.35	4.96
ME	117	5,930	37	9.09	3.33
MD	255	5,540	38	8.76	3.32
MA	80	5,760	36	9.05	3.27
MI	1,058	6,490	38	7.24	2.77
MN	1,936	6,460	41	7.58	3.11
MS	177	6,450	50	8.28	4.11
MO	661	6,940	49	7.91	3.86
MT	64	6,150	41	7.33	3.03
NE	228	6,210	42	7.38	3.07
NV	87	7,410	41	8.18	3.36
NH	60	6,030	37	8.94	3.31
NJ	63	5,430	39	8.69	3.36
NM	904	9,480	50	6.62	3.31
NY	1,980	5,630	34	9.24	3.16
NC	291	6,680	41	9.04	3.73
ND	194	6,020	46	6.20	2.82
OH	919	6,370	40	8.30	3.33
OK	353	7,250	54	8.12	4.39
OR	353	7,260	42	9.05	3.79
PA	1,908	5,940	36	9.33	3.38
RI	6	5,610	38	9.11	3.45
SC	92	6,950	48	8.03	3.83
SD	366	6,200	46	6.67	3.06
TN	394	6,230	45	9.10	4.06
TX	1,618	8,080	53	7.32	3.87
UT	287	6,530	39	7.78	3.05
VT	457	5,820	36	9.01	3.25
VA	380	5,900	39	8.83	3.40
WA	1,005	7,570	38	8.18	3.14
WV	58	5,450	43	9.12	3.92
WI	4,821	6,470	42	6.98	2.94
WY	14	4,650	33	6.84	2.29
US	32,034	6,777	41.2	7.88	3.25

Reliability Statement

Survey Procedures: Primary data used to determine these estimates were obtained from a sample of producers. Individual States maintain a list of all known milk producers and information on the size of their herd. States use all known sources of producers to ensure that their lists are as complete as possible. Generally, all large producers and a sample of small producers are included in the survey. Questionnaires are mailed to producers near the end of the month to obtain data for the first day of the month. Additional reports are obtained by telephone, as needed, to supplement the mail response.

Estimation Procedures: State offices prepare these estimates using survey indications, historic trends, and any available administrative data. Individual State estimates are reviewed by the Agricultural Statistics Board for reasonableness.

Revision Policy: Milk production, rate per cow, and number of cows are subject to revision the following month for monthly States or the following quarter for the quarterly States. Normally, Federal Market Order sales are the main basis for revisions. However, data for all orders are not available in time for this revision. Estimates are again subject to revisions in February each year based on additional administrative data. In the event that additional changes are necessary, a third revision is possible in February the following year. Estimates are again reviewed after data from the five-year Census of Agriculture, conducted by the Department of Commerce, are available. No revisions are made after that date.

Reliability: Since all operations with dairy animals are not included in the sample, survey estimates are subject to sampling variability. Survey results are also subject to non-sampling errors such as omissions, duplications, and mistakes in reporting, recording, and processing the data. The effects of these errors cannot be measured directly. They are minimized through rigid quality controls in the data collection process and through a careful review of all reported data for consistency and reasonableness.

To assist users in evaluating the reliability of the estimates in this report, the "**Root Mean Square Error**" is shown for selected items in the table below. The "Root Mean Square Error" is a statistical measure based on past performance and is computed using the differences between first and final estimates. The "Root Mean Square Error" for milk cow inventory estimates over the past 10 quarters is 1.2 percent. This means that chances are 2 out of 3 that the final April-June estimate will not be above or below the current estimate of 9.38 million head by more than 1.2 percent, or about 113,000 head. Chances are 9 out of 10 that the difference will not exceed 2.1 percent, or about 197,000 head (the 90 percent confidence level).

Reliability of April-June Milk Estimates 1/

Item	Root Mean Square Error	90% Confidence Level	Difference Between First and Final Estimates 1/			Number of Quarters	
			Average	Smallest	Largest	Above Final	Below Final
	- Percent -		----- Mil Lbs. -----			- Number -	
			----- 1,000 Head -----				
Milk Production	0.6	1.1	438	191	32	426	8 2
All Milk Cows	1.2	2.1	197	100	12	188	10 0

1/ Based on records for the past 10 April-June quarters.

The next **"Milk Production"** report will be released at 3 p.m. ET on August 14, 1996.

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