

# Milk Production



United States  
Department of  
Agriculture

Washington, D.C.

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## August Milk Production Up Slightly

**Milk production** in the 22 major States during August totaled 11.1 billion pounds, slightly above production in these same States in August 1994. July revised production, at 11.4 billion pounds was 1 percent more than July 1994.

**Production per cow** in the 22 major States averaged 1,373 pounds for August 4 pounds above August 1994.

**The number of cows** on farms in the 22 major States was 8.11 million head, unchanged from August 1994 but 2,000 head more than July 1995.

**During the April-June period**, the 22 major States produced 34.9 billion pounds of milk, 86.1 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 12.9 billion pounds for August 1995.

Milk Cows and Production: By Quarter, United States, 1994-95

Quarter	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		1995 as % of 1994
	1994	1995	1994	1995	1994	1995	
	----- 1,000 -----		Pounds		Million Pounds		Percent
Jan-Mar	9,506	9,517	3,951	4,093	37,560	38,950	104
Apr-Jun	9,530	9,517	4,188	4,254	39,916	40,487	101
Jul-Sep	9,539		4,007		38,217		
Oct-Dec	9,524		3,983		37,933		
Annual	9,525		16,129		153,626		

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

2/ Excludes milk sucked by calves.

Milk Cows and Production: By Month, 22 Selected States, 1994-95

Month	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		1995 as % of 1994
	1994	1995	1994	1995	1994	1995	
	----- 1,000 -----		Pounds		Million Pounds		Percent
Jan	8,092	8,090	1,343	1,394	10,870	11,280	104
Feb	8,082	8,088	1,236	1,291	9,990	10,441	105
Mar	8,074	8,103	1,401	1,444	11,315	11,698	103
Apr	8,080	8,097	1,396	1,417	11,282	11,477	102
May	8,097	8,093	1,457	1,475	11,799	11,936	101
Jun	8,107	8,104	1,388	1,414	11,249	11,461	102
Jul	8,104	8,106	1,389	1,408	11,260	11,412	101
Aug	8,108	8,108	1,369	1,373	11,102	11,134	100
Sep	8,109		1,318		10,689		
Oct	8,104		1,354		10,970		
Nov	8,098		1,312		10,624		
Dec	8,094		1,370		11,090		
Annual	8,096		16,334		132,240		

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

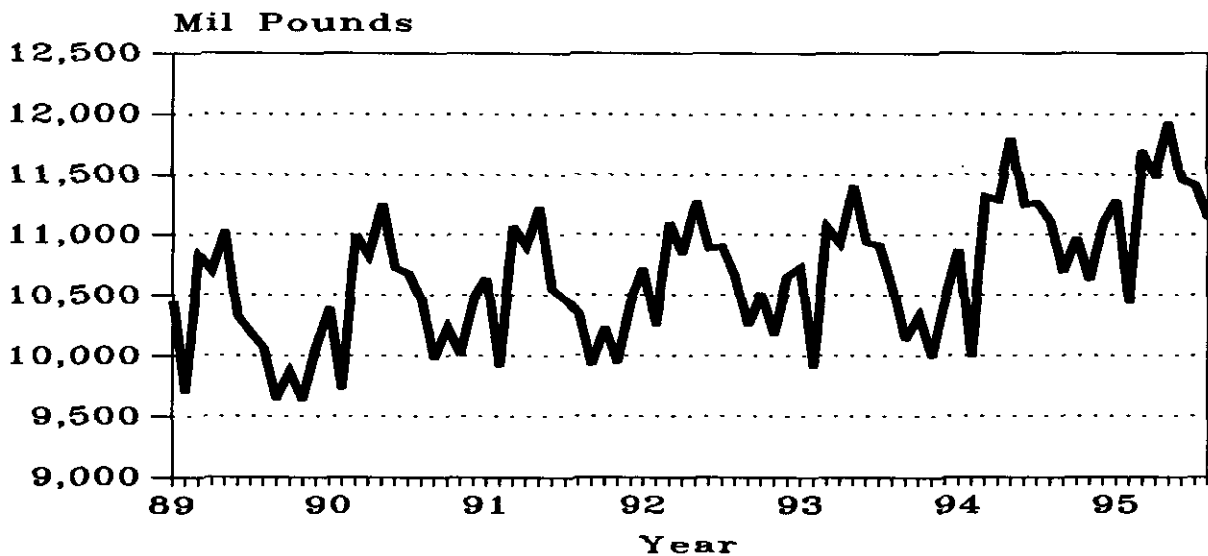
2/ Excludes milk sucked by calves.

Milk Cows and Production: By State, August 1994-95

State	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		1995 as % of 1994
	1994	1995	1994	1995	1994	1995	
	---- 1,000 ----		Pounds		Million Pounds		Percent
CA	1,239	1,255	1,730	1,710	2,143	2,146	100
FL	176	162	1,075	1,060	189	172	91
ID	213	235	1,590	1,570	339	369	109
IL	164	162	1,300	1,270	213	206	97
IN	145	142	1,330	1,310	193	186	96
IA	265	262	1,270	1,285	337	337	100
KY	167	163	1,000	1,045	167	170	102
MD	91	94	1,165	1,140	106	107	101
MI	327	326	1,460	1,440	477	469	98
MN	605	600	1,255	1,270	759	762	100
MO	196	188	1,120	1,130	220	212	96
NM	171	198	1,667	1,575	285	312	109
NY	716	700	1,325	1,380	949	966	102
NC	90	86	1,265	1,245	114	107	94
OH	294	288	1,255	1,295	369	373	101
PA	641	643	1,310	1,345	840	865	103
TN	157	154	1,030	1,050	162	162	100
TX	402	402	1,190	1,105	478	444	93
VT	157	158	1,300	1,325	204	209	102
VA	129	129	1,210	1,240	156	160	103
WA	263	271	1,720	1,710	452	463	102
WI	1,500	1,490	1,300	1,300	1,950	1,937	99
22 State Total	8,108	8,108	1,369	1,373	11,102	11,134	100

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

## Milk Production, 1989-1995 22 States

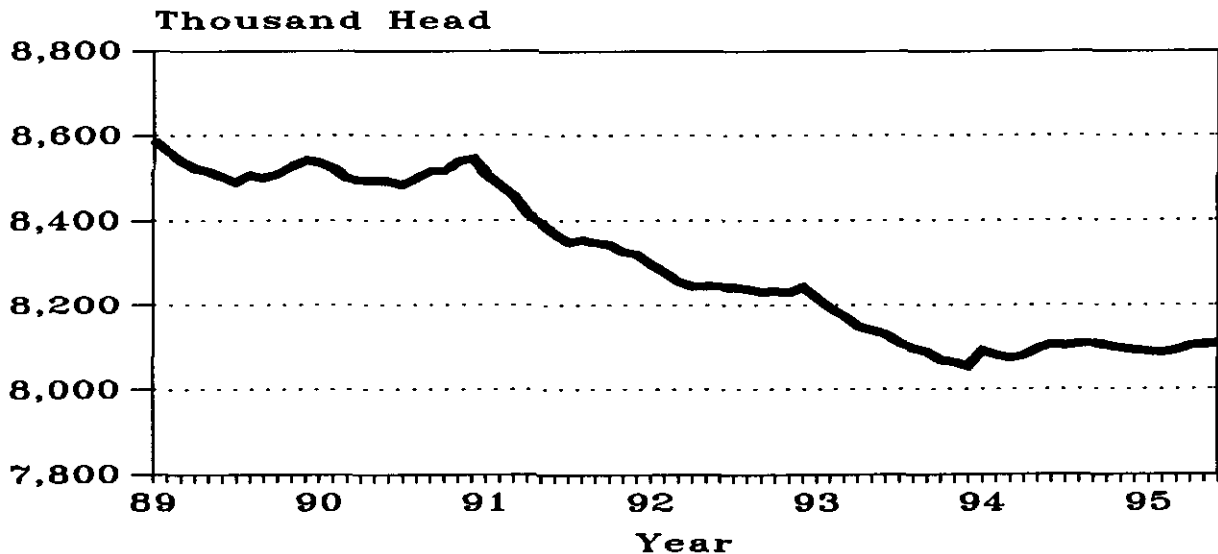


Milk Cows and Production: By State, July 1994-95 1/

State	Milk Cows 2/		Milk per Cow 3/		Milk Production 3/		1995 as % of 1994
	1994	1995	1994	1995	1994	1995	
	---- 1,000 ----		Pounds		Million Pounds		Percent
CA	1,237	1,254	1,745	1,725	2,159	2,163	100
FL	176	162	1,155	1,135	203	184	91
ID	211	234	1,610	1,580	340	370	109
IL	165	162	1,300	1,330	215	215	100
IN	145	144	1,340	1,300	194	187	96
IA	264	262	1,270	1,305	335	342	102
KY	167	163	970	1,030	162	168	104
MD	92	94	1,140	1,160	105	109	104
MI	328	327	1,470	1,490	482	487	101
MN	605	600	1,305	1,325	790	795	101
MO	198	188	1,115	1,190	221	224	101
NM	170	198	1,694	1,585	288	314	109
NY	715	700	1,355	1,410	969	987	102
NC	91	86	1,285	1,325	117	114	97
OH	294	288	1,290	1,330	379	383	101
PA	640	640	1,330	1,375	851	880	103
TN	156	154	1,020	1,060	159	163	103
TX	402	402	1,215	1,190	488	478	98
VT	157	158	1,305	1,360	205	215	105
VA	129	129	1,170	1,210	151	156	103
WA	262	269	1,725	1,725	452	464	103
WI	1,500	1,492	1,330	1,350	1,995	2,014	101
22 State Total	8,104	8,106	1,389	1,408	11,260	11,412	101

1/ 1995 revised. 2/ Includes dry cows, excludes heifers not yet fresh.  
 3/ Excludes milk sucked by calves.

## All Milk Cows, 1989-1995 22 States



**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 1.1 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 9.52 million head by more than 1.1 percent, or about 105,000 head. Chances are 9 out of 10 that the difference will not exceed 2.1 percent, or about 200,000 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	First Above Final	First Below Final	
	- Percent -		----- Mil Lbs. -----			- Number -		
Milk Production	0.6	1.1	445	204	38	426	8	2
			----- 1,000 Head -----					
All Milk Cows	1.1	2.1	200	97	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 October 13, 1995

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