

Milk Production



United States
Department of
Agriculture

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October Milk Production Up 1 Percent

Milk production in the 22 major States during October totaled 11.0 billion pounds, 1 percent above production in these same States in October 1994. September revised production, at 10.8 billion pounds was 1 percent more than September 1994.

Production per cow in the 22 major States averaged 1,361 pounds for October, 7 pounds above October 1994.

The number of cows on farms in the 22 major States was 8.11 million head, up 3,000 head from October 1994 but down 2,000 head from September 1995.

During the July-September period, the 22 major States produced 33.3 billion pounds of milk, 86.6 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 12.7 billion pounds for October 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	9,516	4,188	4,254	39,916	40,484	101
Jul-Sep	9,539	9,518	4,007	4,040	38,217	38,453	101
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	8,109	1,369	1,372	11,102	11,128	100
Sep	8,109	8,109	1,318	1,328	10,689	10,766	101
Oct	8,104	8,107	1,354	1,361	10,970	11,034	101
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.

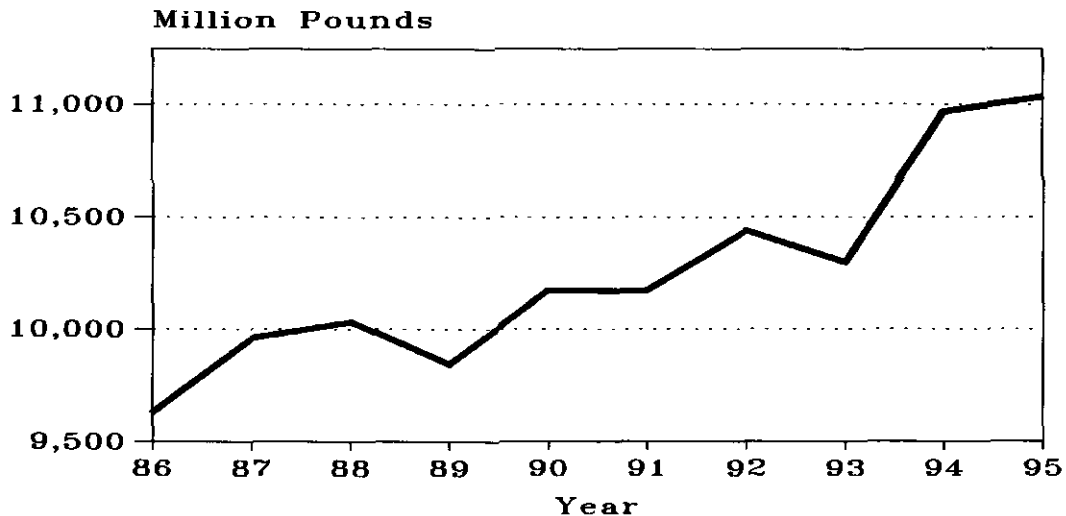
2/ Excludes milk sucked by calves.

Milk Cows and Production: By State. October 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	1,243	1,257	1,725	1,680	2,144	2,112	99
FL	173	160	1,085	1,075	188	172	91
ID	216	240	1,540	1,530	333	367	110
IL	164	162	1,270	1,255	208	203	98
IN	145	143	1,260	1,280	183	183	100
IA	266	262	1,265	1,275	336	334	99
KY	165	161	1,020	1,010	168	163	97
MD	91	92	1,210	1,195	110	110	100
MI	326	326	1,415	1,410	461	460	100
MN	605	600	1,230	1,260	744	756	102
MO	197	189	1,130	1,110	223	210	94
NM	172	197	1,657	1,535	285	302	106
NY	713	702	1,300	1,360	927	955	103
NC	89	86	1,320	1,300	117	112	96
OH	291	287	1,300	1,290	378	370	98
PA	639	647	1,330	1,375	850	890	105
TN	160	153	1,010	1,040	162	159	98
TX	401	401	1,220	1,195	489	479	98
VT	157	158	1,290	1,350	203	213	105
VA	129	128	1,260	1,265	163	162	99
WA	264	268	1,665	1,640	440	440	100
WI	1,498	1,488	1,240	1,265	1,858	1,882	101
22 State Total	8,104	8,107	1,354	1,361	10,970	11,034	101

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

October Milk Production, 1986-1995
 22 States 1/



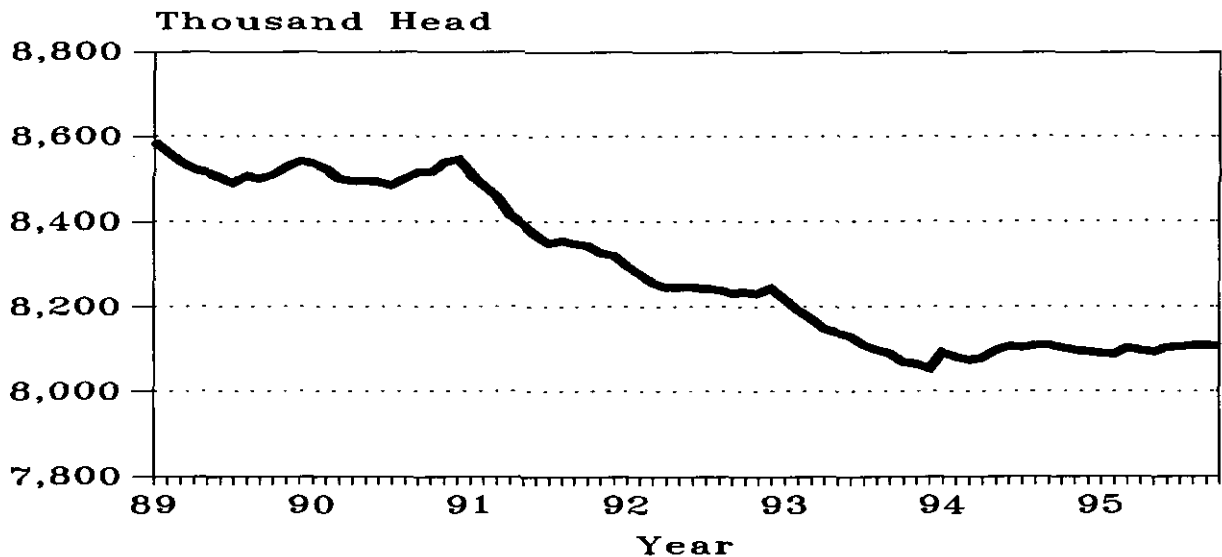
1/ Includes New Mexico beginning in 1994.

Milk Cows and Production: By State, September 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	1,241	1,256	1,685	1,645	2,091	2,066	99
FL	175	162	1,010	995	177	161	91
ID	215	239	1,520	1,500	327	359	110
IL	164	162	1,270	1,260	208	204	98
IN	145	143	1,250	1,250	181	179	99
IA	266	262	1,230	1,250	327	328	100
KY	167	161	980	980	164	158	96
MD	91	93	1,130	1,110	103	103	100
MI	327	326	1,380	1,390	451	453	100
MN	605	600	1,190	1,220	720	732	102
MO	196	189	1,100	1,065	216	201	93
NM	172	197	1,599	1,475	275	291	106
NY	715	702	1,285	1,350	919	948	103
NC	90	86	1,245	1,220	112	105	94
OH	292	287	1,260	1,255	368	360	98
PA	641	646	1,260	1,330	808	859	106
TN	159	153	1,000	1,030	159	158	99
TX	402	401	1,145	1,095	460	439	95
VT	157	158	1,265	1,330	199	210	106
VA	129	129	1,220	1,200	157	155	99
WA	262	268	1,650	1,625	432	436	101
WI	1,498	1,489	1,225	1,250	1,835	1,861	101
22 State Total	8,109	8,109	1,318	1,328	10,689	10,766	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 1.3 percent. This means that chances are 2 out of 3 that the final July-September estimate will not be above or below the current estimate of 9.52 million head by more than 1.3 percent, or about 124,000 head. Chances are 9 out of 10 that the difference will not exceed 2.3 percent, or about 219,000 head (the 90 percent confidence level).

Reliability of July-September 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	0.9	1.6	616	270	15	538	10	0	
			----- 1,000 Head -----						
All Milk Cows	1.3	2.3	219	113	15	179	10	0	

1/ Based on records for the past 10 July-September quarters.

The next "Milk Production" report will be released at 3 p.m. ET on December 15, 1995.

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