

Milk Production



United States
Department of
Agriculture

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May Milk Production Up 1 Percent

Milk production in the 22 major States during May totaled a record high 12.0 billion pounds, 1 percent above production in these same States in May 1994. April revised production, at 11.5 billion pounds was 2 percent more than April 1994.

Production per cow in the 22 major States averaged 1,478 pounds for May, 21 pounds above May 1994.

The number of cows on farms in the 22 major States was 8.10 million head, 2,000 head less than both May 1994 and April 1995.

During the January-March period, the 22 major States produced 33.4 billion pounds of milk, 85.8 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 13.9 billion pounds for May 1995.

Notice

"U.S. Supply and Utilization of Milk" is available in this issue on page 5.

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

Quarter	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		
	1994	1995	1994	1995	1994	1995	1995 as % of 1994
	---- 1,000 ----		Pounds		Million Pounds		Percent
Jan-Mar	9,506	9,516	3,951	4,095	37,560	38,971	104
Apr-Jun	9,530		4,188		39,916		
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/		
	1994	1995	1994	1995	1994	1995	1995 as % of 1994
	---- 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	8,095	1,457	1,478	11,799	11,964	101
Jun	8,107		1,388		11,249		
Jul	8,104		1,389		11,260		
Aug	8,108		1,369		11,102		
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.

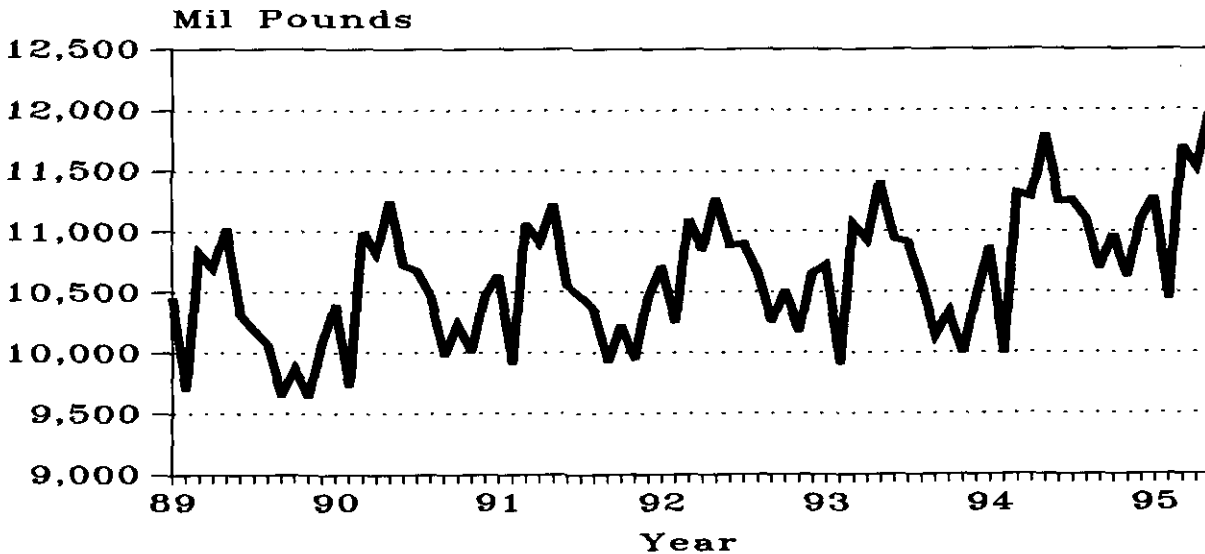
2/ Excludes milk sucked by calves.

Milk Cows and Production: By State, May 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	1,232	1,254	1,770	1,770	2,181	2,220	102
FL	178	164	1,400	1,330	249	218	88
ID	205	229	1,580	1,560	324	357	110
IL	165	163	1,350	1,380	223	225	101
IN	145	144	1,370	1,380	199	199	100
IA	264	262	1,295	1,350	342	354	104
KY	170	163	1,035	1,130	176	184	105
MD	92	93	1,295	1,310	119	122	103
MI	328	326	1,525	1,515	500	494	99
MN	610	595	1,395	1,420	851	845	99
MO	198	193	1,270	1,300	251	251	100
NM	166	188	1,777	1,700	295	320	108
NY	722	704	1,430	1,460	1,032	1,028	100
NC	91	88	1,475	1,480	134	130	97
OH	296	288	1,345	1,390	398	400	101
PA	637	639	1,430	1,470	911	939	103
TN	159	156	1,090	1,120	173	175	101
TX	404	400	1,435	1,370	580	548	94
VT	156	156	1,370	1,420	214	222	104
VA	130	129	1,275	1,340	166	173	104
WA	261	266	1,750	1,755	457	467	102
WI	1,488	1,495	1,360	1,400	2,024	2,093	103
22 State: Total	8,097	8,095	1,457	1,478	11,799	11,964	101

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

Milk Production, 1989-1995 22 States

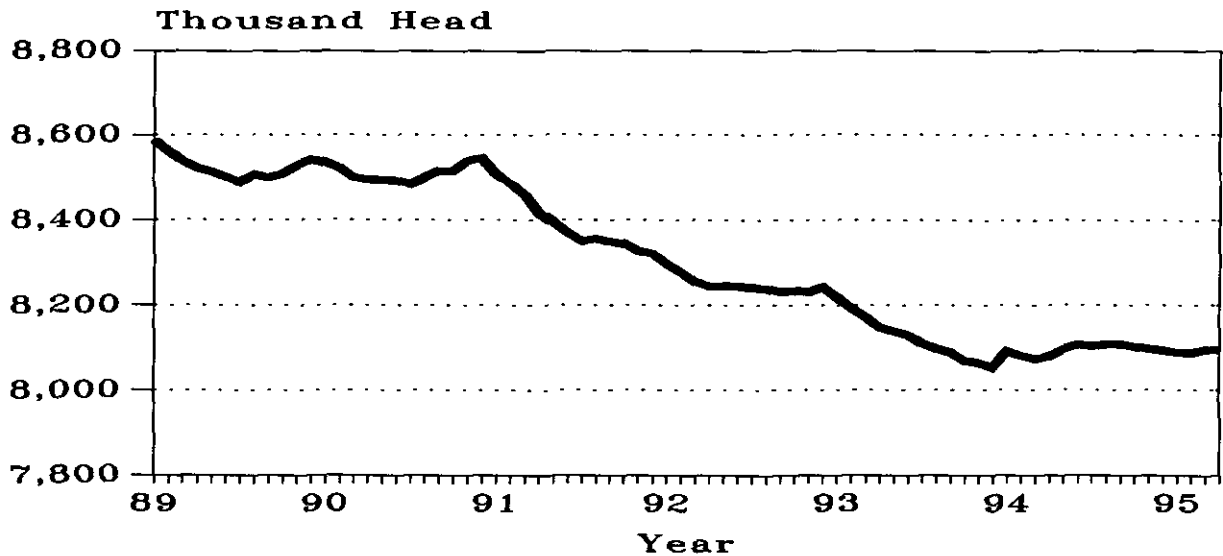


Milk Cows and Production: By State, April 1994-95 1/

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		
CA	1,228	1,254	1,705	1,680	2,094	2,107	101
FL	178	164	1,425	1,355	254	222	87
ID	201	227	1,480	1,480	297	336	113
IL	165	163	1,340	1,370	221	223	101
IN	145	144	1,330	1,320	193	190	98
IA	263	262	1,220	1,300	321	341	106
KY	171	163	1,030	1,135	176	185	105
MD	92	93	1,250	1,270	115	118	103
MI	328	326	1,415	1,440	464	469	101
MN	610	595	1,330	1,365	811	812	100
MO	198	195	1,260	1,280	249	250	100
NM	158	185	1,772	1,645	280	304	109
NY	724	705	1,360	1,400	985	987	100
NC	91	88	1,450	1,480	132	130	98
OH	297	288	1,305	1,360	388	392	101
PA	635	639	1,360	1,420	864	907	105
TN	159	157	1,080	1,110	172	174	101
TX	402	400	1,470	1,400	591	560	95
VT	158	156	1,330	1,360	210	212	101
VA	130	129	1,275	1,335	166	172	104
WA	260	267	1,665	1,675	433	447	103
WI	1,487	1,497	1,255	1,295	1,866	1,939	104
22 State: Total	8,080	8,097	1,396	1,417	11,282	11,477	102

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



Supply and Utilization of Milk: United States, 1992-94 1/

Item	1992	1993	1994
	Mil Lbs		
Milk Production	150,885	150,582	153,622
Net Imports of Ingredients (M.E.) 2/	145	127	148
Net Change in Storage Cream (M.E.) 3/	-5	5	-1
Total Supply	151,025	150,714	153,769
Utilization (Milk Equivalent)			
Used in Manufactured Products			
Creamery Butter, Total M.E.	30,478	29,493	29,127
M.E. of Butter from Whey Cream	4,150	4,500	4,592
Net Milk Equivalent	26,328	24,993	24,535
Cheese			
American	29,263	29,415	29,676
Other	20,195	20,456	21,438
Cottage Cheese, Creamed	592	557	524
Canned Milk			
Evaporated, Sweetened Condensed	1,872	1,178	1,184
Bulk Condensed Whole Milk			
Unsweetened	417	244	205
Sweetened	301	324	277
Dry Whole Milk	1,227	1,130	1,227
Ice Cream and Other Frozen Dairy Products,			
Total M.E.	14,191	14,058	14,540
M.E. of Butter and Condensed Milk Used			
in Ice Cream	2,367	1,995	1,997
Net Milk Equivalent	11,824	12,063	12,543
Other Manufactured Products 4/	188	199	216
Total Manufactured Products	92,207	90,559	91,825
Available for Use in Fluid Products			
Sold by Dealers	54,244	54,361	53,583
Sold by Producers Directly to Consumers 5/	1,050	967	1,081
Total Available for Fluid Products	55,294	55,328	54,664
Used Where Produced			
Fed to Calves	1,436	1,408	1,353
Consumed as Fluid Milk and Cream	455	428	404
Total Used by Producers	1,892	1,836	1,758
Residual 6/	1,632	2,991	5,522
Total Utilization	151,025	150,714	153,769

See footnotes on next page.

Supply and Utilization Footnotes

- 1/ 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. 1992 and 1993 revised.
- 2/ Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures.
- 3/ 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.
- 4/ Whole milk equivalent of dry cream, malted milk powder, part-skim dry milk, dry or concentrated ice cream mix, dehydrated butterfat, and other miscellaneous products using milkfat.
- 5/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.
- 6/ Residual. includes minor miscellaneous uses and any inaccuracies in production, utilization estimates, or milk equivalent conversions.

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 January-March 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 2.0 percent, or about 190,000 head (the 90 percent confidence level).

Reliability of January-March 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		
Milk Production	0.5	1.0	391	163	7	315	8	2	
			----- 1,000 Head -----						
All Milk Cows	1.1	2.0	190	96	5	187	10	0	

1/ Based on records for the past 10 January-March quarters.

