

Milk Production



National
Agricultural
Statistics
Service

United States
Department of
Agriculture

Washington, D.C.

Released December 15, 1994, by the Agricultural Statistics Board.

November Milk Production Up 4 Percent

Milk production in the 21 major States during November totaled 10.4 billion pounds, 4 percent above production in these same States in November 1993. October revised production, at 10.7 billion pounds was 4 percent more than October 1993.

Production per cow in the 21 major States averaged 1,298 pounds for November, 59 pounds above November 1993.

The number of cows on farms in the 21 major States was 8.00 million head, 65,000 head less than November 1993 and 10,000 head less than October 1994.

During the July-September period, the 21 major States produced 32.3 billion pounds of milk, 84.1 percent of the U.S. production. If the remaining 29 States not surveyed monthly followed the same pattern as the 21 States, the U.S. production would be 12.3 billion pounds for November 1994.

For information call Daniel Buckner at (202) 720-4448. Office hours are 8:00 a.m. to 4:30 p.m. ET.

Da 1-1 (12-94)

Milk Cows and Production: By Quarter, United States, 1993-94

Quarter	Milk Cows <u>1/</u>		Milk per Cow <u>2/</u>		Milk Production <u>2/</u>		1994 as % of 1993
	1993	1994	1993	1994	1993	1994	
	---- 1,000 ----		Pounds		Million Pounds		Percent
Jan-Mar	9,773	9,612	3,848	3,921	37,608	37,692	100
Apr-Jun	9,727	9,641	4,052	4,146	39,411	39,973	101
Jul-Sep	9,675	9,657	3,862	3,976	37,364	38,398	103
Oct-Dec	9,644		3,792		36,571		
Annual	9,705		15,554		150,954		

1/ Includes dry cows. Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

Milk Cows and Production: By Month, 21 Selected States, 1993-94

Month	Milk Cows <u>1/</u>		Milk per Cow <u>2/</u>		Milk Production <u>2/</u>		1994 as % of 1993
	1993	1994	1993	1994	1993	1994	
	---- 1,000 ----		Pounds		Million Pounds		Percent
Jan	8,219	8,042	1,305	1,323	10,728	10,637	99
Feb	8,193	8,018	1,209	1,222	9,908	9,802	99
Mar	8,173	8,005	1,353	1,384	11,060	11,079	100
Apr	8,148	8,014	1,341	1,377	10,927	11,038	101
May	8,139	8,021	1,402	1,428	11,410	11,452	100
Jun	8,130	8,038	1,346	1,368	10,940	10,998	101
Jul	8,110	8,030	1,346	1,369	10,913	10,996	101
Aug	8,098	8,034	1,306	1,348	10,573	10,830	102
Sep	8,090	8,038	1,253	1,303	10,138	10,471	103
Oct	8,069	8,010	1,280	1,337	10,331	10,707	104
Nov	8,065	8,000	1,239	1,298	9,994	10,384	104
Dec	8,054		1,299		10,461		
Annual	8,124		15,680		127,383		

1/ Includes dry cows. Excludes heifers not yet fresh.

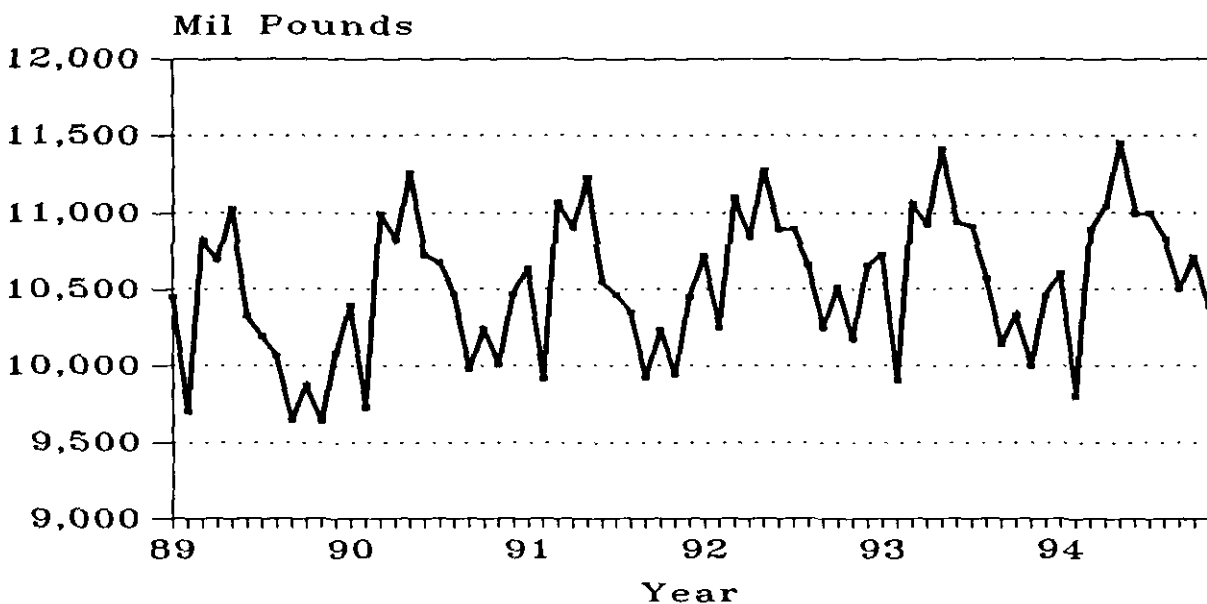
2/ Excludes milk sucked by calves.

Milk Cows and Production: By State. November 1993-94

State	Milk Cows <u>1/</u>		Milk per Cow <u>2/</u>		Milk Production <u>2/</u>		1994 as % of 1993
	1993	1994	1993	1994	1993	1994	
	1,000		Pounds		Million Pounds		Percent
CA	1,188	1,225	1,590	1,680	1,889	2,058	109
FL	177	173	1,090	1,120	193	194	101
ID	193	217	1,400	1,470	270	319	118
IL	175	176	1,130	1,250	198	220	111
IN	145	145	1,220	1,240	177	180	102
IA	292	282	1,110	1,170	324	330	102
KY	176	165	920	995	162	164	101
MD	96	91	1,210	1,230	116	112	97
MI	338	334	1,270	1,325	429	443	103
MN	640	605	1,140	1,185	730	717	98
MO	220	215	970	1,020	213	219	103
NY	753	730	1,180	1,230	889	898	101
NC	92	90	1,310	1,335	121	120	99
OH	302	293	1,225	1,290	370	378	102
PA	650	651	1,250	1,285	813	837	103
TN	180	164	980	1,050	176	172	98
TX	386	399	1,210	1,220	467	487	104
VT	162	156	1,210	1,245	196	194	99
VA	131	129	1,235	1,240	162	160	99
WA	257	263	1,550	1,580	398	416	105
WI	1,512	1,497	1,125	1,180	1,701	1,766	104
21 State Total	8,065	8,000	1,239	1,298	9,994	10,384	104

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

Milk Production, 1989-1994 21 States

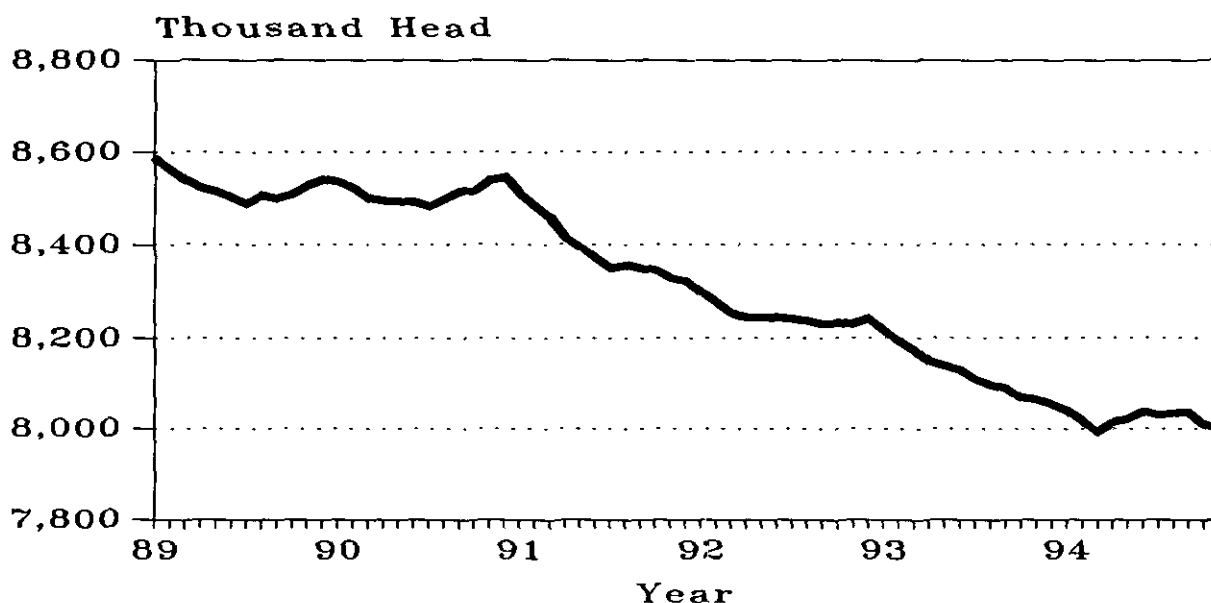


Milk Cows and Production: By State. October 1993-94 ^{1/}

State	Milk Cows ^{2/}		Milk per Cow ^{3/}		Milk Production ^{3/}		1994 as % of 1993
	1993	1994	1993	1994	1993	1994	
	----- 1,000 -----		Pounds		Million Pounds		Percent
CA	1,187	1,225	1,650	1,750	1,959	2,144	109
FL	177	173	1,065	1,085	189	188	99
ID	193	217	1,460	1,550	282	336	119
IL	175	176	1,190	1,250	208	220	106
IN	145	145	1,260	1,260	183	183	100
IA	293	282	1,140	1,180	334	333	100
KY	176	165	960	1,020	169	168	99
MD	96	91	1,165	1,260	112	115	103
MI	338	335	1,310	1,375	443	461	104
MN	640	610	1,160	1,215	742	741	100
MO	220	216	990	1,040	218	225	103
NY	750	731	1,230	1,270	923	928	101
NC	92	90	1,305	1,320	120	119	99
OH	302	293	1,255	1,300	379	381	101
PA	652	649	1,285	1,305	838	847	101
TN	181	164	970	1,030	176	169	96
TX	386	399	1,230	1,225	475	489	103
VT	162	156	1,250	1,290	203	201	99
VA	131	129	1,250	1,250	164	161	98
WA	258	264	1,625	1,660	419	438	105
WI	1,515	1,500	1,185	1,240	1,795	1,860	104
21 State: Total	8,069	8,010	1,280	1,337	10,331	10,707	104

^{1/} 1993 and 1994 revised. ^{2/} Includes dry cows. Excludes heifers not yet fresh. ^{3/} Excludes milk sucked by calves.

All Milk Cows, 1989-1994 21 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. About 20,000 producers are sampled in January and data are collected from about 10,000 respondents. There are about 7,300 respondents in each of the remaining quarters. 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 0.6 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 9.66 million head by more than 0.6 percent, or about 58,000 head. Chances are 9 out of 10 that the difference will not exceed 1.1 percent, or about 106,000 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 <u>1/</u>			Number of Quarters		
			Average	Smallest	Largest	Above Final	Below Final	
Milk Production	0.7	1.3	499	204	15	538	10	0
All Milk Cows	0.6	1.1	106	46	1	135	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 January 17, 1995.

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-5881 (voice) or (202) 720-7808 (TDD).

To file a complaint, write the Secretary of Agriculture, USDA, Washington, D.C., 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

Want to subscribe? **Time to renew?**

Subscribe to **Milk Production** today! If you already subscribe to this timely periodical, note that expiration information about your subscription appears on the top line of your mailing label. **Expiration information will appear in one of two formats: 1-PMP-2 (this means you have TWO issues remaining in your subscription) or APR95 (expiration date is April 1995).** Disregard this notice if no renewal information appears. **Call toll free, 1-800-999-6779, and tell us whether you want to subscribe or renew, or return this form to: ERS-NASS, 341 Victory Drive, Herndon, VA 22070.**

Milk Production

- Yes! I want to **start** my subscription.
 Yes! I want to **renew** my subscription.

	1 Year	2 Years	3 Years
Domestic	<input type="checkbox"/> \$26.00	<input type="checkbox"/> \$50.00	<input type="checkbox"/> \$75.00
Foreign	<input type="checkbox"/> \$32.50	<input type="checkbox"/> \$62.50	<input type="checkbox"/> \$93.75

New subscribers:

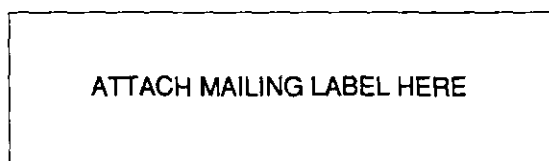
Name: _____

Address: _____

City, State, Zip: _____

Daytime phone: (____) _____

Renewals:



Payment method:

- Bill me (domestic orders only). Use purchase orders, checks drawn on U.S. banks, cashier's checks, or international money orders. **Make payable to ERS-NASS.**
 Enclosed is \$_____.

Credit card orders: MasterCard Visa Total charges \$_____.

Credit card number:

Card expiration date:
Month/Year

For fastest service, call our toll-free order desk 1-800-999-6779, in the U.S. and Canada; other areas please call 703-834-0125, or FAX this page to 703-834-0110.

Statistical Bulletin Order Form

The U.S. Department of Agriculture's National Agricultural Statistics Service will publish a series of 18 Statistical Bulletins (SB895-SB912) containing final estimates for the 1987-1993 period. Data previously published during the 1987-1993 period have been reviewed against survey indications and administrative data such as those from exports, imports, slaughter, crushings, and the 1992 Census of Agriculture. These bulletins are a continuation of Statistical Bulletins (SB792-SB802) published in 1988 and 1989.

QUANTITY (\$10 each)		BULLETIN NUMBER	STATISTICAL BULLETIN	RELEASE DATE
PAPER	DISKETTES			
		SB-904	Hogs and Pigs, 1988-1992	12/16/94
		SB-896	Field Crops, 1987-1992	12/19/94
		SB-897	Stocks of Grains, Oilseeds, and Hay, 1988-1993	12/19/94
		SB-898	Rice Stocks, 1988-1993	12/19/94
		SB-902	Vegetables, 1987-1992	01/06/95
		SB-906	Sheep and Goats, 1989-1993	01/13/95
		SB-908	Chicken and Eggs, 1988-1993	01/18/95
		SB-905	Cattle, 1989-1993	01/20/95
		SB-909	Milk, 1988-1992	02/02/95
		SB-911	Turkeys, 1988-1993	03/23/95
		SB-912	Honey, 1986-1992	03/28/95
		SB-907	Meat Animals, PDI, 1988-1992	03/30/95
		SB-910	Poultry Production and Value, 1988-1993	05/12/95
		SB-900	Noncitrus Fruits and Nuts, 1987-1992	06/05/95
		SB-895	Farms and Land in Farms, 1987-1993	07/28/95
		SB-899	Citrus Fruits, 1987-1992	08/07/95
		SB-901	Potatoes and Sweetpotatoes, 1987-1992	08/17/95
		SB-903	Crop Values, 1987-1992	09/25/95
Add 25% for shipment to foreign addresses (includes Canada) (Total Bulletins Ordered X \$10 = TOTAL COST \$ _____)				

Publications may be obtained in hard copy or on diskette by calling the ERS-NASS order desk toll free at 1-800-999-6779 or by mail from ERS-NASS, 341 Victory Drive, Herndon, VA 22070.

Bulletins cost \$10.00 each for paper products or 3.5" ASCII diskettes. To order bulletins by mail, return this form along with your **check payable to ERS-NASS**. The bulletins will also be available on Internet through the Mann Library at Cornell University (gopher usda.mannlib.cornell.edu 70) at no charge. For technical information, call George Patton at 202-720-9579.

Thank you for your order.

Name: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____