

Milk Production



USDA
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July Milk Production Up 4.8 Percent

Milk production in the 20 major States during July totaled 11.5 billion pounds, up 4.8 percent from production in these same States in July 1996. June revised production, at 11.4 billion pounds was up 4.4 percent from June 1996.

Production per cow in the 20 major States averaged 1,480 pounds for July, 80 pounds above July 1996.

The number of cows on farms in the 20 major States was 7.75 million head, 68,000 head less than July 1996 but 9,000 head more than June 1997.

Milk Cows and Production: By Quarter, United States, 1996-97

Quarter	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		Change :from 1996
	1996	1997	1996	1997	1996	1997	
	---- 1,000 ----		Pounds		Million Pounds		Percent
Jan-Mar	9,397	9,267	4,156	4,200	39,053	38,922	-0.3
Apr-Jun	9,369	9,253	4,231	4,391	39,638	40,630	2.5
Jul-Sep	9,338		4,035		37,674		
Oct-Dec	9,300		4,083		37,966		
Annual	9,351		16,505		154,331		

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

2/ Excludes milk sucked by calves.

Milk Cows and Production: By Month, 20 Selected States, 1996-97

Month	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		Change :from 1996
	1996	1997	1996	1997	1996	1997	
	---- 1,000 ----		Pounds		Million Pounds		Percent
Jan	7,846	7,757	1,415	1,439	11,103	11,163	0.5
Feb	7,828	7,743	1,348	1,331	10,549	10,309	-2.3
Mar	7,822	7,736	1,469	1,501	11,487	11,611	1.1
Apr	7,818	7,731	1,441	1,481	11,265	11,452	1.7
May	7,816	7,733	1,479	1,532	11,560	11,847	2.5
Jun	7,818	7,738	1,398	1,475	10,926	11,410	4.4
Jul	7,815	7,747	1,400	1,480	10,944	11,464	4.8
Aug	7,802		1,382		10,786		
Sep	7,795		1,342		10,459		
Oct	7,788		1,391		10,831		
Nov	7,775		1,350		10,499		
Dec	7,765		1,418		11,013		
Annual	7,807		16,833		131,422		

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

2/ Excludes milk sucked by calves.

Estimated Milk Production, United States, 1996-97

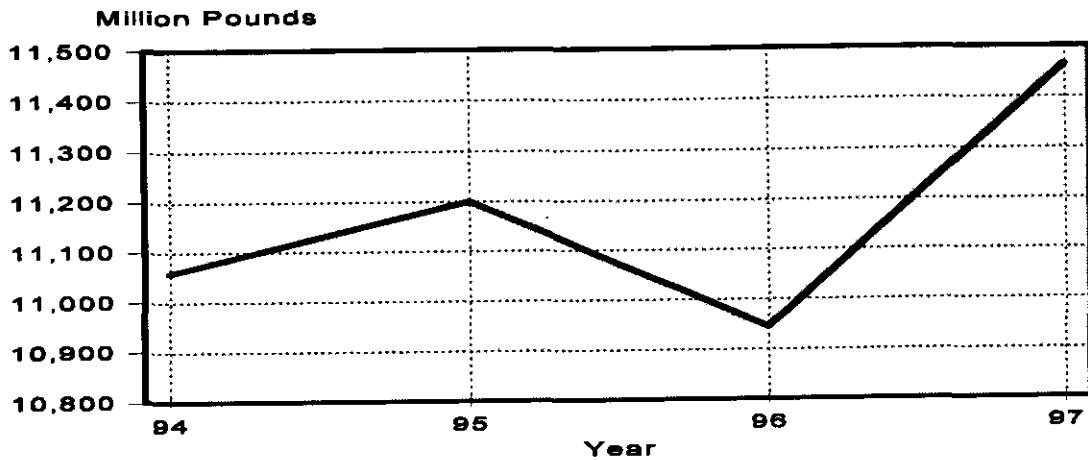
Month	by Month			Cumulative		
	1996	1997	% Change :from 1996:	1996	1997	Change :from 1996
	Million Pounds			Million Pounds		Percent
Jan	13,085	13,133	0.4	13,085	13,133	0.4
Feb	12,431	12,129	-2.4	25,516	25,262	-1.0
Mar	13,537	13,660	0.9	39,053	38,922	-0.3
Apr	13,230	13,409	1.4	52,283	52,331	0.1
May	13,576	13,871	2.2	65,859	66,202	0.5
Jun	12,832	13,350	4.0	78,691	79,552	1.1
Jul	12,809	13,418	4.8	91,500	92,970	1.6
Aug	12,624			104,124		
Sep	12,241			116,365		
Oct	12,714			129,079		
Nov	12,324			141,403		
Dec	12,928			154,331		

Milk Cows and Production: By State, July 1996-97

State	Milk Cows 1/		Milk per Cow 2/		Milk Production 2/		Change :from 1996
	1996	1997	1996	1997	1996	1997	
	---- 1,000 ----		Pounds		Million Pounds		Percent
AZ	122	129	1,445	1,635	176	211	19.9
CA	1,264	1,296	1,725	1,820	2,180	2,359	8.2
FL	156	161	1,145	1,190	179	192	7.3
ID	258	271	1,650	1,710	426	463	8.7
IL	154	147	1,240	1,320	191	194	1.6
IN	140	140	1,270	1,325	178	186	4.5
IA	250	246	1,290	1,390	323	342	5.9
KY	151	146	955	1,025	144	150	4.2
MI	323	310	1,405	1,500	454	465	2.4
MN	600	585	1,315	1,360	789	796	0.9
MO	177	173	1,085	1,155	192	200	4.2
NM	196	201	1,605	1,710	315	344	9.2
NY	703	698	1,385	1,440	974	1,005	3.2
OH	285	281	1,245	1,335	355	375	5.6
PA	643	639	1,375	1,410	884	901	1.9
TX	399	389	1,140	1,190	455	463	1.8
VT	157	157	1,400	1,420	220	223	1.4
VA	126	121	1,125	1,230	142	149	4.9
WA	263	265	1,735	1,770	456	469	2.9
WI	1,448	1,392	1,320	1,420	1,911	1,977	3.5
20 State:							
Total	7,815	7,747	1,400	1,480	10,944	11,464	4.8

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

July Milk Production, 1994-1997
 20 States

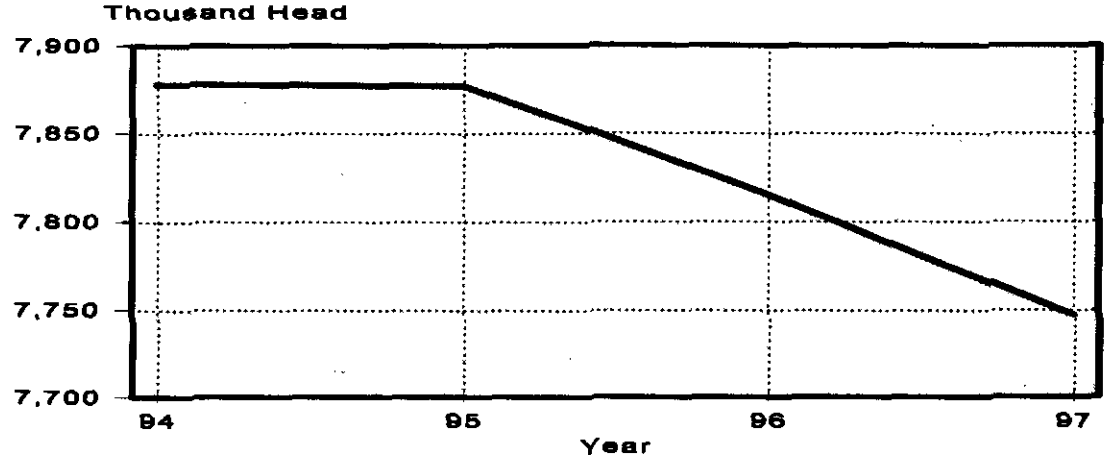


Milk Cows and Production: BY State, June 1996-97 1/

State	Milk Cows 2/		Milk per Cow 3/		Milk Production 3/		Change from 1996
	1996	1997	1996	1997	1996	1997	
	---- 1,000 ----		Pounds		Million Pounds		Percent
AZ	120	128	1,700	1,750	204	224	9.8
CA	1,263	1,290	1,695	1,800	2,141	2,322	8.5
FL	156	161	1,235	1,285	193	207	7.3
ID	255	269	1,570	1,660	400	447	11.8
IL	154	148	1,240	1,320	191	195	2.1
IN	140	140	1,270	1,330	178	186	4.5
IA	249	246	1,285	1,375	320	338	5.6
KY	153	145	940	1,040	144	151	4.9
MI	322	310	1,385	1,490	446	462	3.6
MN	600	585	1,335	1,370	801	801	0.0
MO	180	173	1,050	1,185	189	205	8.5
NM	194	200	1,630	1,695	316	339	7.3
NY	704	698	1,385	1,430	975	998	2.4
OH	285	281	1,240	1,325	353	372	5.4
PA	643	639	1,360	1,405	874	898	2.7
TX	400	389	1,230	1,210	492	471	-4.3
VT	157	157	1,425	1,425	224	224	0.0
VA	126	122	1,105	1,240	139	151	8.6
WA	262	265	1,705	1,720	447	456	2.0
WI	1,455	1,392	1,305	1,410	1,899	1,963	3.4
20 State:							
Total	7,818	7,738	1,398	1,475	10,926	11,410	4.4

1/ 1997 revised. 2/ Includes dry cows, excludes heifers not yet fresh.
 3/ Excludes milk sucked by calves.

July Milk Cows, 1994-1997
 20 States



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 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 on the next page. 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 9.25 million head by more than 1.1 percent, or about 102,000 head. Chances are 9 out of 10 that the difference will not exceed 2.1 percent, or about 194,000 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	Below	
						Final	Final	
Milk Production	0.5	1.0	406	172	22	426	8	2
All Milk Cows	1.1	2.1	194	95	8	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 September 15, 1997.

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