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UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C.

Milk Production

Released May 18, 2007, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on *Milk Production* call Jason Hardegree at 202-720-3278, office hours 7:30 a.m. to 4:00 p.m. ET.

April Milk Production Up 1.6 Percent

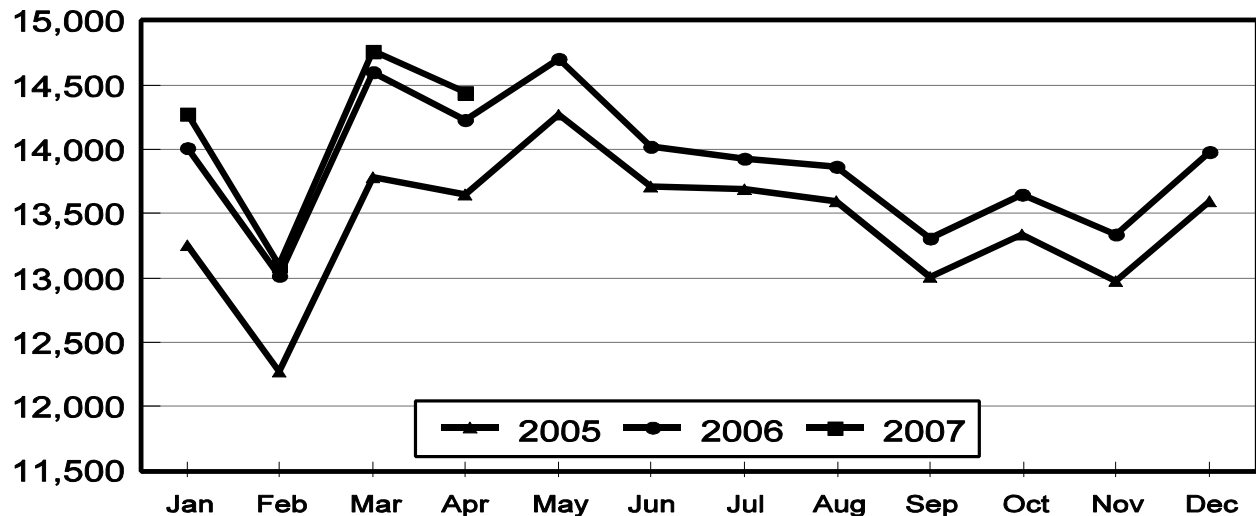
Milk production in the 23 major States during April totaled 14.4 billion pounds, up 1.6 percent from April 2006. March revised production, at 14.8 billion pounds, was up 1.2 percent from March 2006. The March revision represented an increase of 11 million pounds or 0.1 percent from last month's preliminary production estimate.

Production per cow in the 23 major States averaged 1,745 pounds for April, 19 pounds above April 2006.

The number of milk cows on farms in the 23 major States was 8.28 million head, 39,000 head more than April 2006, but 6,000 head less than March 2007.

Monthly Milk Production 23 States

Million Pounds



Milk Cows and Production: By Quarter, United States, 2006-2007¹

Quarter	Milk Cows ²		Milk Per Cow ³		Milk Production ³		
	2006	2007	2006	2007	2006	2007	Change From 2006
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million Pounds</i>	<i>Million Pounds</i>	<i>Percent</i>
Jan-Mar	9,092	9,129	5,010	5,040	45,547	46,010	1.0
Apr-Jun	9,128		5,141		46,930		
Jul-Sep	9,113		4,906		44,710		
Oct-Dec	9,115		4,894		44,611		
Annual	9,112		19,951		181,798		

¹ May not add due to rounding.

² Includes dry cows, excludes heifers not yet fresh.

³ Excludes milk sucked by calves.

Milk Cows and Production: By Month, 23 Selected States, 2006-2007¹

Month	Milk Cows ²		Milk Per Cow ³		Milk Production ³		
	2006	2007	2006	2007	2006	2007	Change from 2006
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million Pounds</i>	<i>Million Pounds</i>	<i>Percent</i>
Jan	8,198	8,280	1,711	1,724	14,027	14,276	1.8
Feb	8,206	8,277	1,586	1,582	13,018	13,098	0.6
Mar	8,224	8,285	1,775	1,783	14,599	14,771	1.2
Apr	8,240	8,279	1,726	1,745	14,222	14,443	1.6
May	8,257		1,782		14,712		
Jun	8,269		1,697		14,033		
Jul	8,258		1,688		13,937		
Aug	8,255		1,676		13,838		
Sep	8,251		1,613		13,307		
Oct	8,255		1,652		13,637		
Nov	8,260		1,614		13,332		
Dec	8,276		1,690		13,983		
Annual	8,246		20,210		166,645		

¹ 2007 previous month revised.

² Includes dry cows, excludes heifers not yet fresh.

³ Excludes milk sucked by calves.

Estimated Milk Cows and Production: By Month, United States, 2006-2007¹

Month	Milk Cows ²		Milk Per Cow ³		Milk Production ³		
	2006	2007	2006	2007	2006	2007	Change From 2006
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million Pounds</i>	<i>Million Pounds</i>	<i>Percent</i>
Jan	9,081	9,129	1,690	1,707	15,343	15,585	1.6
Feb	9,088	9,126	1,567	1,567	14,238	14,300	0.4
Mar	9,106	9,133	1,753	1,766	15,966	16,125	1.0
Apr	9,116	9,121	1,705	1,725	15,538	15,736	1.3
May	9,129		1,760		16,068		
Jun	9,139		1,676		15,324		
Jul	9,119		1,663		15,168		
Aug	9,114		1,653		15,061		
Sep	9,107		1,590		14,481		
Oct	9,107		1,631		14,857		
Nov	9,111		1,594		14,523		
Dec	9,126		1,669		15,231		
Annual	9,112		19,951		181,798		

¹ 2007 revised.

² Includes dry cows, excludes heifers not yet fresh.

³ Excludes milk sucked by calves.

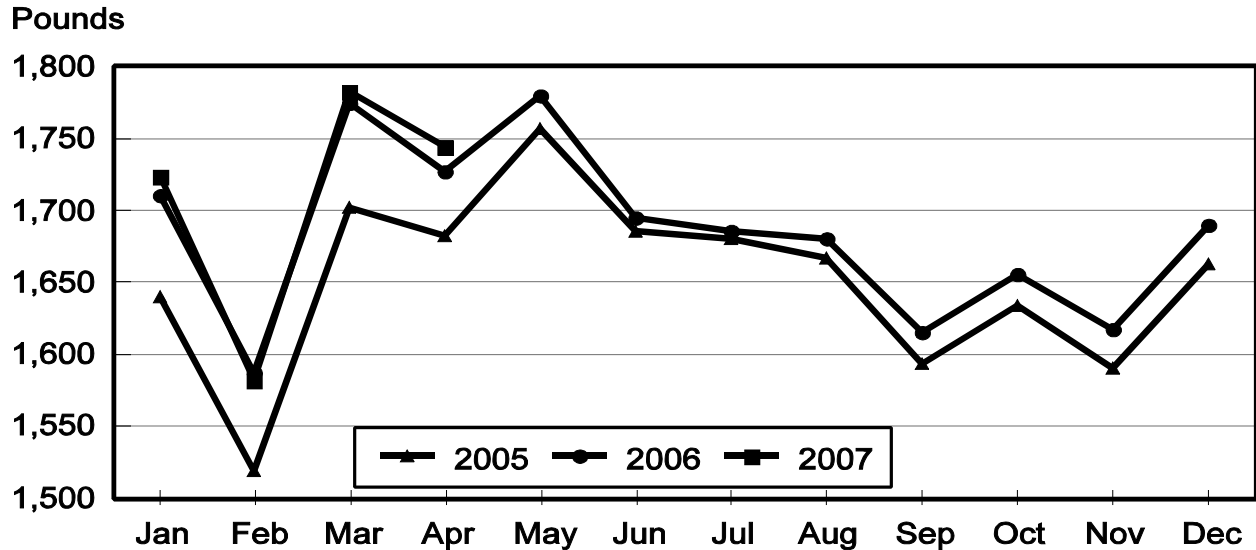
Milk Cows and Production: By State, April 2006-2007

State	Milk Cows ¹		Milk Per Cow ²		Milk Production ²		
	2006	2007	2006	2007	2006	2007	Change From 2006
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million Pounds</i>	<i>Million Pounds</i>	<i>Percent</i>
AZ	172	182	2,145	2,100	369	382	3.5
CA	1,784	1,797	1,855	1,920	3,309	3,450	4.3
CO	108	115	1,910	1,870	206	215	4.4
FL	133	129	1,540	1,550	205	200	-2.4
ID	478	503	1,850	1,850	884	931	5.3
IL	103	103	1,650	1,645	170	169	-0.6
IN	165	168	1,715	1,725	283	290	2.5
IA	203	211	1,735	1,730	352	365	3.7
KS	112	110	1,810	1,745	203	192	-5.4
KY	99	91	1,230	1,260	122	115	-5.7
MI	318	328	1,850	1,895	588	622	5.8
MN	450	455	1,575	1,600	709	728	2.7
MO	116	114	1,500	1,395	174	159	-8.6
NM	350	345	1,870	1,740	655	600	-8.4
NY	644	627	1,590	1,605	1,024	1,006	-1.8
OH	273	275	1,530	1,540	418	424	1.4
OR	118	110	1,630	1,730	192	190	-1.0
PA	557	550	1,650	1,690	919	930	1.2
TX	333	347	1,905	1,860	634	645	1.7
VT	143	140	1,560	1,495	223	209	-6.3
VA	103	100	1,555	1,530	160	153	-4.4
WA	237	233	1,950	1,955	462	456	-1.3
WI	1,241	1,246	1,580	1,615	1,961	2,012	2.6
23-State Total	8,240	8,279	1,726	1,745	14,222	14,443	1.6

¹ Includes dry cows, excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Monthly Milk per Cow 23 States



Milk Cows and Production: By State, March 2006-2007 ¹

State	Milk Cows ²		Milk per Cow ³		Milk Production ³		
	2006	2007	2006	2007	2006	2007	Change From 2006
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million Pounds</i>	<i>Million Pounds</i>	<i>Percent</i>
AZ	172	179	2,190	2,195	377	393	4.2
CA	1,781	1,796	1,925	1,980	3,428	3,556	3.7
CO	107	115	1,980	1,890	212	217	2.4
FL	133	130	1,640	1,610	218	209	-4.1
ID	476	504	1,880	1,880	895	948	5.9
IL	104	103	1,720	1,655	179	170	-5.0
IN	163	167	1,775	1,770	289	296	2.4
IA	201	211	1,780	1,770	358	373	4.2
KS	111	110	1,840	1,775	204	195	-4.4
KY	100	93	1,260	1,260	126	117	-7.1
MI	316	326	1,905	1,940	602	632	5.0
MN	450	455	1,625	1,650	731	751	2.7
MO	115	115	1,500	1,370	173	158	-8.7
NM	347	349	1,910	1,790	663	625	-5.7
NY	645	628	1,630	1,630	1,051	1,024	-2.6
OH	273	275	1,560	1,550	426	426	
OR	118	111	1,650	1,710	195	190	-2.6
PA	555	550	1,700	1,710	944	941	-0.3
TX	332	347	1,975	1,920	656	666	1.5
VT	143	140	1,610	1,535	230	215	-6.5
VA	103	100	1,560	1,560	161	156	-3.1
WA	238	235	1,980	2,000	471	470	-0.2
WI	1,241	1,246	1,620	1,640	2,010	2,043	1.6
23-State Total	8,224	8,285	1,775	1,783	14,599	14,771	1.2

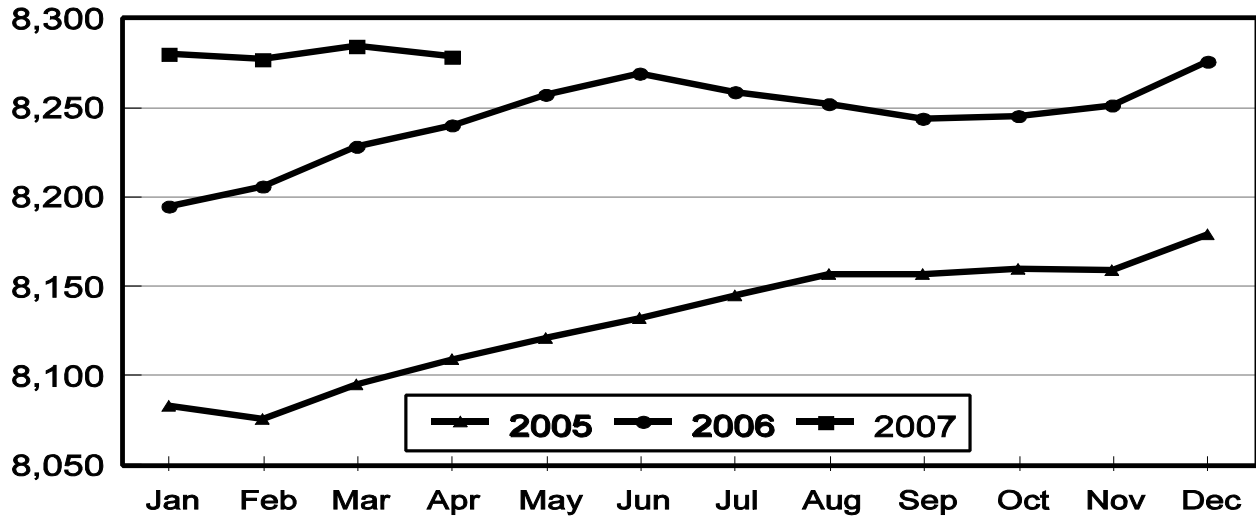
¹ 2007 revised.

² Includes dry cows, excludes heifers not yet fresh.

³ Excludes milk sucked by calves.

Monthly Milk Cows 23 States

Thousand Head



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. Where feasible, States utilize state and federal administrative data, rather than conduct a monthly or quarterly survey, to estimate milk production. This eliminates duplication of data gathering by different government agencies. Indications of milk cow inventory are also obtained in the January and July Cattle Surveys.

Estimation Procedures: State offices prepare these estimates by using a combination of 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 January - March quarters is 0.2 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 9.13 million head by more than 0.2 percent. Chances are 9 out of 10 that the difference will not exceed 0.3 percent.

Reliability of January-March Milk Estimates ¹

Item	Root Mean Square Error	90% Confidence Level		Difference Between First and Latest Estimates			Quarters	
				Average	Smallest	Largest	First Above Latest	First Below Latest
				Million Pounds	Million Pounds	Million Pounds	Number	Number
Milk Production	<i>Percent</i> 0.4	<i>Percent</i> 0.7	<i>Million Pounds</i> 322	<i>Million Pounds</i> 120	<i>Million Pounds</i> 10	<i>Million Pounds</i> 375	<i>Number</i> 4	<i>Number</i> 6
All Milk Cows	<i>Percent</i> 0.2	<i>Percent</i> 0.3	<i>1,000 Head</i> 27	<i>1,000 Head</i> 12	<i>1,000 Head</i> 1	<i>1,000 Head</i> 35	<i>Number</i> 6	<i>Number</i> 4

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

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information.

- Dan Kerestes, Chief, Livestock Branch (202) 720-3570
- William Weaver, Head, Livestock Section (202) 720-3570
 - Bruce Boess - Hogs and Pigs (202) 720-3106
 - Shawn Clark - Dairy Products (202) 690-3236
 - Jason Hardegree - Milk Production and Milk Cows (202) 720-3278
 - Benita Hodge - Livestock Slaughter (515) 284-4340
 - Scott Hollis - Sheep & Lambs, Goats (202) 720-4751
 - Mike Miller - Cattle, Cattle on Feed (202) 720-3040
 - Charmaine Wilson - Dairy Products Prices (202) 690-2168

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