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Milk Production

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November Milk Production Up 2.5 Percent

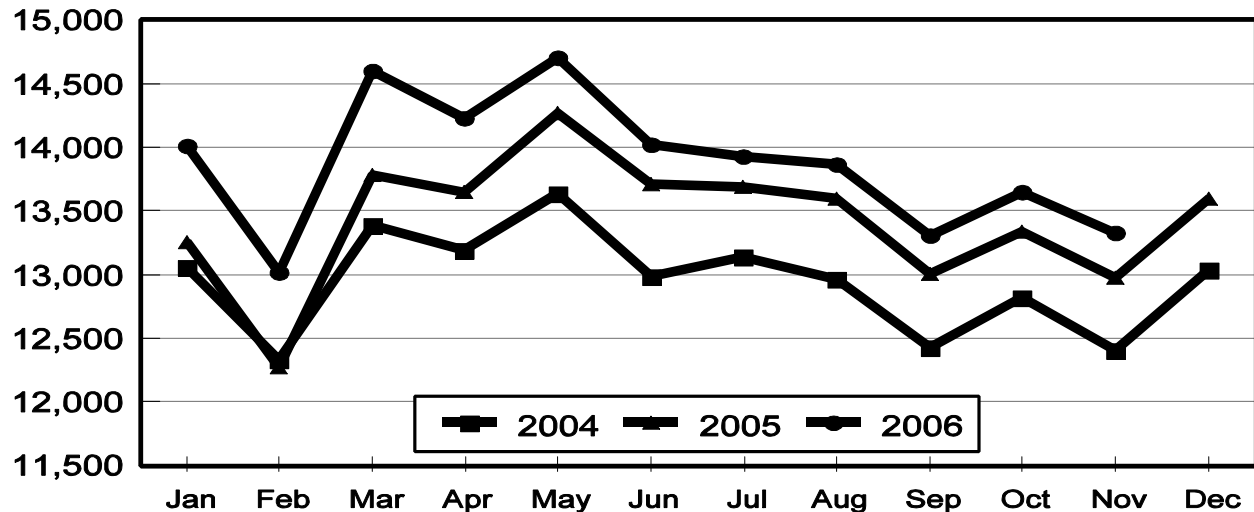
Milk production in the 23 major States during November totaled 13.3 billion pounds, up 2.5 percent from November 2005. October production, unrevised at 13.7 billion pounds, was up 2.1 percent from October 2005.

Production per cow in the 23 major States averaged 1,616 pounds for November, 24 pounds above November 2005.

The number of milk cows on farms in the 23 major States was 8.25 million head, 81,000 head more than November 2005, and 3,000 head more than October 2006.

Monthly Milk Production 23 States

Million Pounds



Milk Cows and Production: By Quarter, United States, 2005-2006 ¹

Quarter	Milk Cows ²		Milk Per Cow ³		Milk Production ³		
	2005	2006	2005	2006	2005	2006	Change From 2005
	<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	9,002	9,094	4,816	5,009	43,350	45,553	5.1
Apr-Jun	9,041	9,133	5,069	5,136	45,831	46,908	2.3
Jul-Sep	9,060	9,117	4,871	4,906	44,134	44,731	1.4
Oct-Dec	9,060		4,821		43,674		
Annual	9,041		19,576		176,989		

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, 2005-2006 ¹

Month	Milk Cows ²		Milk Per Cow ³		Milk Production ³		
	2005	2006	2005	2006	2005	2006	Change from 2005
	<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	8,087	8,195	1,643	1,710	13,287	14,014	5.5
Feb	8,084	8,206	1,522	1,587	12,301	13,022	5.9
Mar	8,099	8,228	1,707	1,775	13,825	14,604	5.6
Apr	8,117	8,240	1,690	1,727	13,717	14,228	3.7
May	8,131	8,257	1,760	1,780	14,311	14,700	2.7
Jun	8,138	8,269	1,690	1,695	13,755	14,017	1.9
Jul	8,151	8,259	1,683	1,686	13,715	13,925	1.5
Aug	8,162	8,252	1,671	1,680	13,640	13,861	1.6
Sep	8,167	8,244	1,599	1,615	13,057	13,312	2.0
Oct	8,168	8,245	1,637	1,656	13,373	13,652	2.1
Nov	8,167	8,248	1,592	1,616	13,002	13,328	2.5
Dec	8,179		1,663		13,599		
Annual	8,138		19,857		161,582		

¹ 2006 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, 2005-2006 ¹

Month	Milk Cows ²		Milk Per Cow ³		Milk Production ³		
	2005	2006	2005	2006	2005	2006	Change From 2005
	<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	9,000	9,079	1,624	1,689	14,614	15,333	4.9
Feb	8,996	9,091	1,504	1,567	13,530	14,248	5.3
Mar	9,009	9,113	1,688	1,753	15,206	15,972	5.0
Apr	9,030	9,120	1,666	1,704	15,047	15,541	3.3
May	9,042	9,135	1,735	1,758	15,697	16,056	2.3
Jun	9,050	9,145	1,668	1,674	15,087	15,311	1.5
Jul	9,053	9,129	1,656	1,661	14,978	15,159	1.2
Aug	9,060	9,116	1,643	1,655	14,896	15,085	1.3
Sep	9,066	9,105	1,572	1,591	14,260	14,487	1.6
Oct	9,060	9,105	1,613	1,632	14,611	14,856	1.7
Nov	9,056	9,108	1,569	1,592	14,209	14,500	2.0
Dec	9,063		1,639		14,854		
Annual	9,041		19,576		176,989		

¹ 2005 revised.

² Includes dry cows, excludes heifers not yet fresh.

³ Excludes milk sucked by calves.

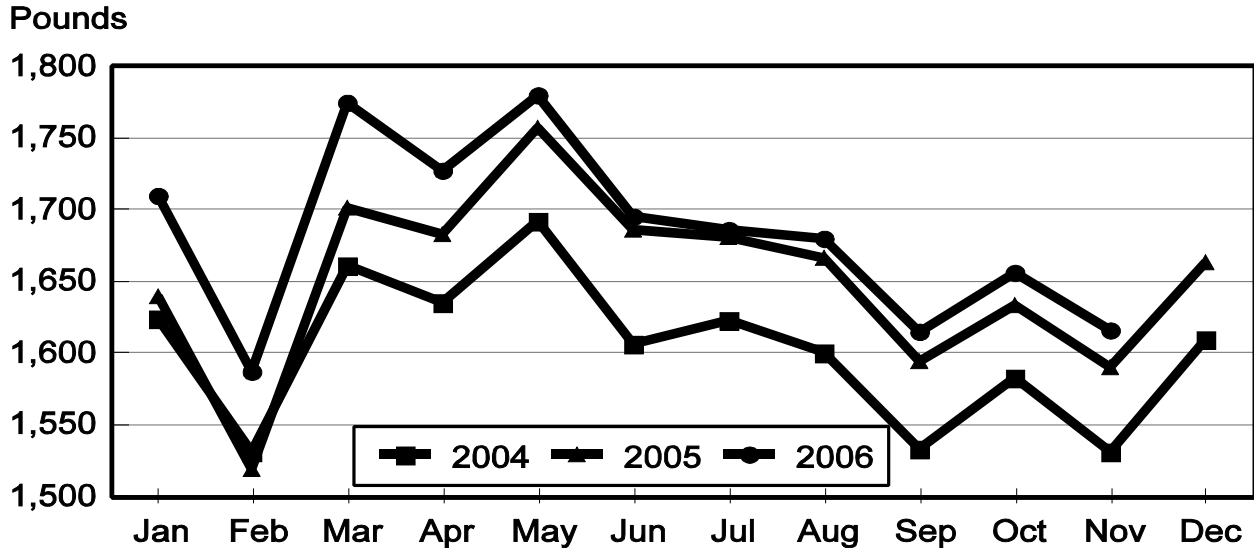
Milk Cows and Production: By State, November 2005-2006

State	Milk Cows ¹		Milk Per Cow ²		Milk Production ²		
	2005	2006	2005	2006	2005	2006	Change From 2005
	<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	161	167	1,850	1,830	298	306	2.7
CA	1,770	1,781	1,725	1,755	3,053	3,126	2.4
CO	105	112	1,820	1,850	191	207	8.4
FL	136	130	1,220	1,240	166	161	-3.0
ID	471	497	1,790	1,790	843	890	5.6
IL	104	103	1,480	1,510	154	156	1.3
IN	157	166	1,650	1,610	259	267	3.1
IA	199	200	1,640	1,650	326	330	1.2
KS	112	112	1,650	1,680	185	188	1.6
KY	102	95	1,030	1,045	105	99	-5.7
MI	312	323	1,745	1,790	544	578	6.3
MN	445	450	1,455	1,490	647	671	3.7
MO	114	115	1,280	1,250	146	144	-1.4
NM	337	360	1,720	1,650	580	594	2.4
NY	648	633	1,485	1,535	962	972	1.0
OH	271	274	1,410	1,440	382	395	3.4
OR	121	117	1,470	1,530	178	179	0.6
PA	556	550	1,500	1,560	834	858	2.9
TX	321	338	1,630	1,695	523	573	9.6
VT	142	140	1,465	1,445	208	202	-2.9
VA	105	103	1,370	1,355	144	140	-2.8
WA	240	235	1,840	1,820	442	428	-3.2
WI	1,238	1,247	1,480	1,495	1,832	1,864	1.7
23-State Total	8,167	8,248	1,592	1,616	13,002	13,328	2.5

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, October 2005-2006 ¹

State	Milk Cows ²		Milk per Cow ³		Milk Production ³		
	2005	2006	2005	2006	2005	2006	Change From 2005
	<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	161	166	1,840	1,815	296	301	1.7
CA	1,765	1,776	1,785	1,815	3,151	3,223	2.3
CO	106	112	1,870	1,920	198	215	8.6
FL	135	129	1,135	1,185	153	153	
ID	470	497	1,870	1,870	879	929	5.7
IL	104	103	1,510	1,550	157	160	1.9
IN	155	165	1,685	1,640	261	271	3.8
IA	198	200	1,690	1,670	335	334	-0.3
KS	112	112	1,680	1,680	188	188	
KY	103	95	1,040	1,050	107	100	-6.5
MI	313	321	1,790	1,850	560	594	6.1
MN	450	450	1,475	1,510	664	680	2.4
MO	114	115	1,280	1,240	146	143	-2.1
NM	335	360	1,760	1,675	590	603	2.2
NY	650	638	1,550	1,575	1,008	1,005	-0.3
OH	270	274	1,430	1,460	386	400	3.6
OR	121	117	1,560	1,580	189	185	-2.1
PA	558	552	1,550	1,600	865	883	2.1
TX	320	338	1,605	1,660	514	561	9.1
VT	142	140	1,505	1,485	214	208	-2.8
VA	105	103	1,370	1,360	144	140	-2.8
WA	243	236	1,925	1,910	468	451	-3.6
WI	1,238	1,246	1,535	1,545	1,900	1,925	1.3
23-State Total	8,168	8,245	1,637	1,656	13,373	13,652	2.1

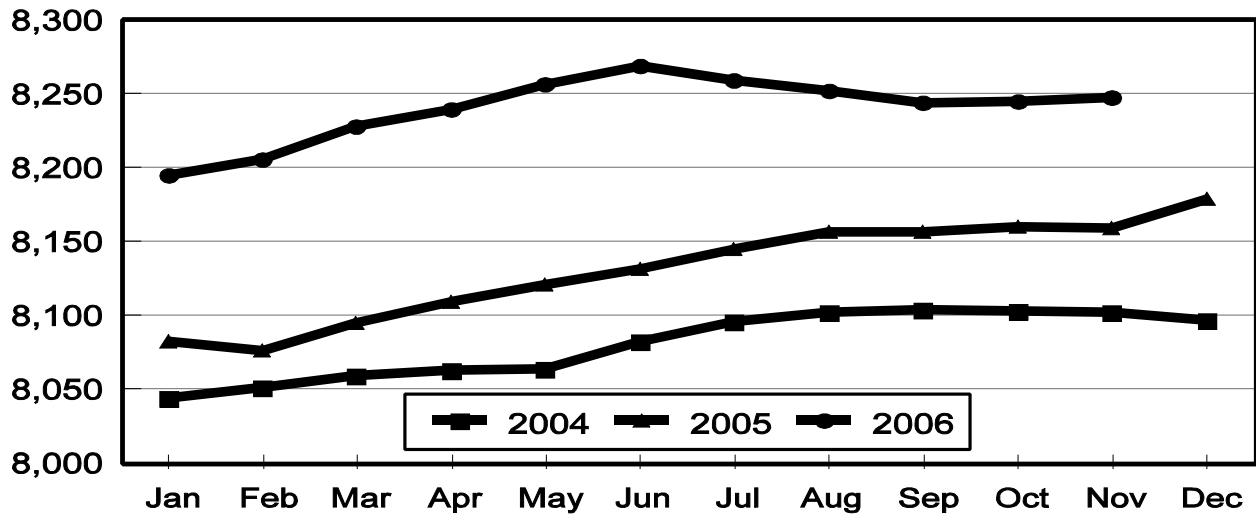
¹ 2005 and 2006 revised.

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 July - September quarters is 0.3 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 9.12 million head by more than 0.3 percent. Chances are 9 out of 10 that the difference will not exceed 0.5 percent.

Reliability of July-September 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> 0.5	<i>Percent</i> 0.9	<i>Million Pounds</i> 403	<i>Million Pounds</i> 180	<i>Million Pounds</i> 62	<i>Million Pounds</i> 362	<i>Number</i> 7	<i>Number</i> 3
All Milk Cows	<i>Percent</i> 0.3	<i>Percent</i> 0.5	<i>1,000 Head</i> 46	<i>1,000 Head</i> 17	<i>1,000 Head</i> 2	<i>1,000 Head</i> 61	<i>Number</i> 6	<i>Number</i> 4

¹ Based on records for the past 10 July-September 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
 - Scott Hollis - Sheep & Lambs, Goats (202) 720-4751
 - Mike Miller - Cattle, Cattle on Feed (202) 720-3040
 - Katy Paulsen - Livestock Slaughter (515) 284-4340
 - Charmaine Wilson - Dairy Products Prices (202) 690-2168

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