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June Milk Production up 0.7 Percent

Milk production in the 23 major States during June totaled 16.4 billion pounds, up 0.7 percent from June 2014. May revised production at 17.2 billion pounds, was up 1.5 percent from May 2014. The May revision represented an increase of 12 million pounds or 0.1 percent from last month's preliminary production estimate.

Production per cow in the 23 major States averaged 1,895 pounds for June, no change from the record high of June 2014. The 23 State series began in 2003.

The number of milk cows on farms in the 23 major States was 8.63 million head, 56,000 head more than June 2014, but 2,000 head fewer than May 2015.

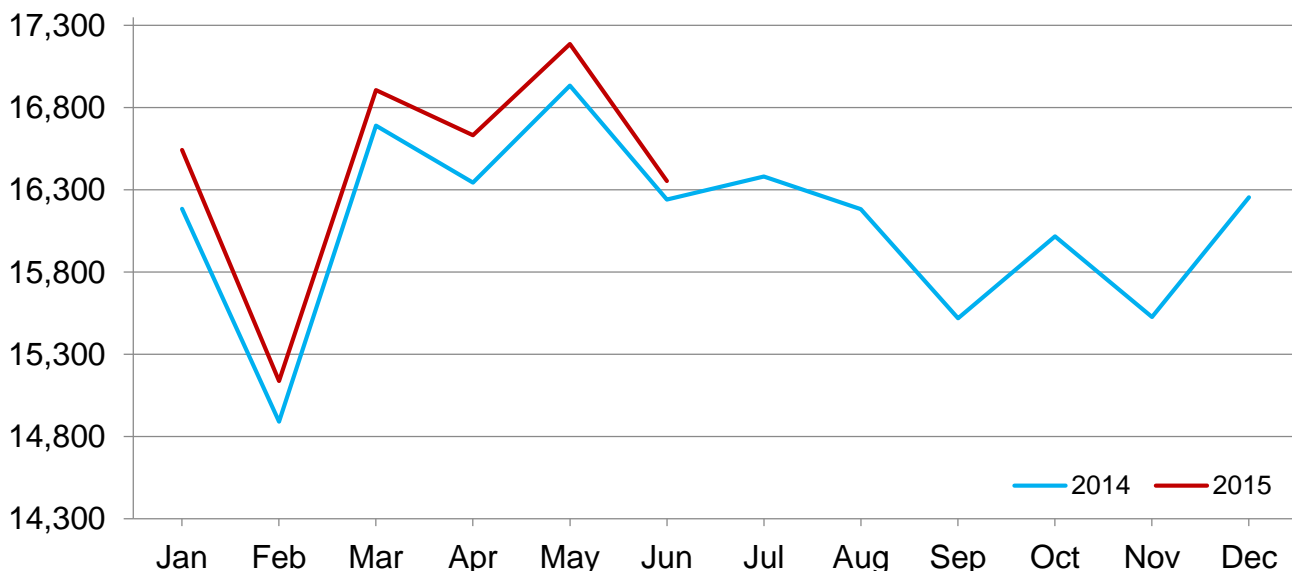
April - June Milk Production up 1.4 Percent

Milk production in the United States during the April - June quarter totaled 53.6 billion pounds, up 1.4 percent from the April - June quarter last year.

The average number of milk cows in the United States during the quarter was 9.32 million head, 14,000 head more than the January - March quarter, and 66,000 head more than the same period last year.

Monthly Milk Production – 23 Selected States

Million pounds



Milk Cows and Production by Quarter – United States: 2014-2015

[May not add due to rounding]

Quarter	Milk cows ¹		Milk per cow ²		Milk production ²		
	2014	2015	2014	2015	2014	2015	Change from 2014
	(1,000 Head)	(1,000 Head)	(Pounds)	(Pounds)	(Million Pounds)	(Million Pounds)	(Percent)
January-March	9,216	9,305	5,536	5,583	51,020	51,949	1.8
April-June	9,253	9,319	5,717	5,753	52,897	53,615	1.4
July-September	9,270		5,520		51,173		
October-December	9,287		5,487		50,956		
Annual	9,257		22,258		206,046		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production By Month – 23 Selected States: 2014-2015

Month	Milk cows ¹		Milk per cow ²		Milk production ²		
	2014	2015	2014	2015	2014	2015	Change from 2014
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January	8,516	8,620	1,901	1,919	16,186	16,544	2.2
February	8,516	8,620	1,749	1,756	14,892	15,139	1.7
March	8,530	8,622	1,957	1,961	16,690	16,907	1.3
April	8,547	8,626	1,912	1,928	16,344	16,633	1.8
May	8,558	8,630	1,979	1,992	16,934	17,187	1.5
June	8,572	8,628	1,895	1,895	16,241	16,354	0.7
July	8,583		1,909		16,381		
August	8,585		1,885		16,184		
September	8,593		1,806		15,519		
October	8,594		1,864		16,017		
November	8,598		1,806		15,527		
December	8,611		1,888		16,256		
Annual	8,567		22,551		193,171		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Estimated Milk Cows and Production By Month – United States: 2014-2015

Month	Milk cows ¹		Milk per cow ²		Milk production ²		
	2014	2015	2014	2015	2014	2015	Change from 2014
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January	9,212	9,304	1,876	1,900	17,284	17,680	2.3
February	9,212	9,304	1,727	1,740	15,907	16,189	1.8
March	9,223	9,306	1,933	1,943	17,829	18,080	1.4
April	9,240	9,315	1,892	1,911	17,480	17,800	1.8
May	9,252	9,324	1,956	1,970	18,094	18,370	1.5
June	9,267	9,317	1,869	1,872	17,323	17,445	0.7
July	9,268		1,881		17,435		
August	9,268		1,858		17,224		
September	9,274		1,781		16,514		
October	9,277		1,840		17,071		
November	9,284		1,783		16,551		
December	9,299		1,864		17,334		
Annual	9,257		22,258		206,046		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production – 23 Selected States: June 2014 and 2015

[May not add due to rounding]

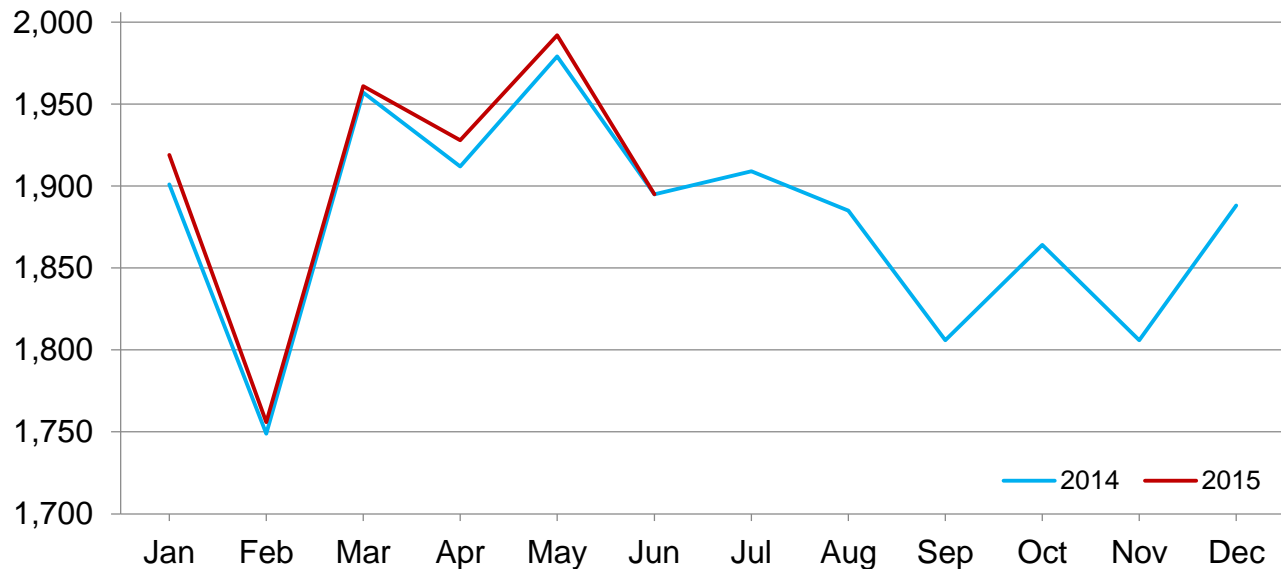
State	Milk cows ¹		Milk per cow ²		Milk production ²		Change from 2014
	2014	2015	2014	2015	2014	2015	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	193	195	2,065	2,085	399	407	2.0
California	1,779	1,778	1,995	1,910	3,549	3,396	-4.3
Colorado	145	145	2,105	2,160	305	313	2.6
Florida	123	125	1,770	1,785	218	223	2.3
Idaho	577	586	2,065	2,055	1,192	1,204	1.0
Illinois	94	94	1,640	1,680	154	158	2.6
Indiana	178	181	1,840	1,860	328	337	2.7
Iowa	207	212	1,860	1,910	385	405	5.2
Kansas	142	143	1,830	1,835	260	262	0.8
Michigan	387	408	2,085	2,120	807	865	7.2
Minnesota	460	460	1,645	1,715	757	789	4.2
New Mexico	323	323	2,130	2,035	688	657	-4.5
New York	615	618	1,885	1,930	1,159	1,193	2.9
Ohio	266	266	1,720	1,710	458	455	-0.7
Oregon	125	123	1,735	1,705	217	210	-3.2
Pennsylvania	530	530	1,665	1,715	882	909	3.1
South Dakota	97	106	1,805	1,850	175	196	12.0
Texas	468	462	1,850	1,835	866	848	-2.1
Utah	95	96	1,945	1,990	185	191	3.2
Vermont	131	132	1,720	1,710	225	226	0.4
Virginia	93	91	1,570	1,620	146	147	0.7
Washington	274	276	2,050	2,030	562	560	-0.4
Wisconsin	1,270	1,278	1,830	1,880	2,324	2,403	3.4
23-State Total	8,572	8,628	1,895	1,895	16,241	16,354	0.7

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Monthly Milk per Cow – 23 Selected States

Pounds



Milk Cows and Production – 23 Selected States: May 2014 and 2015

[May not add due to rounding]

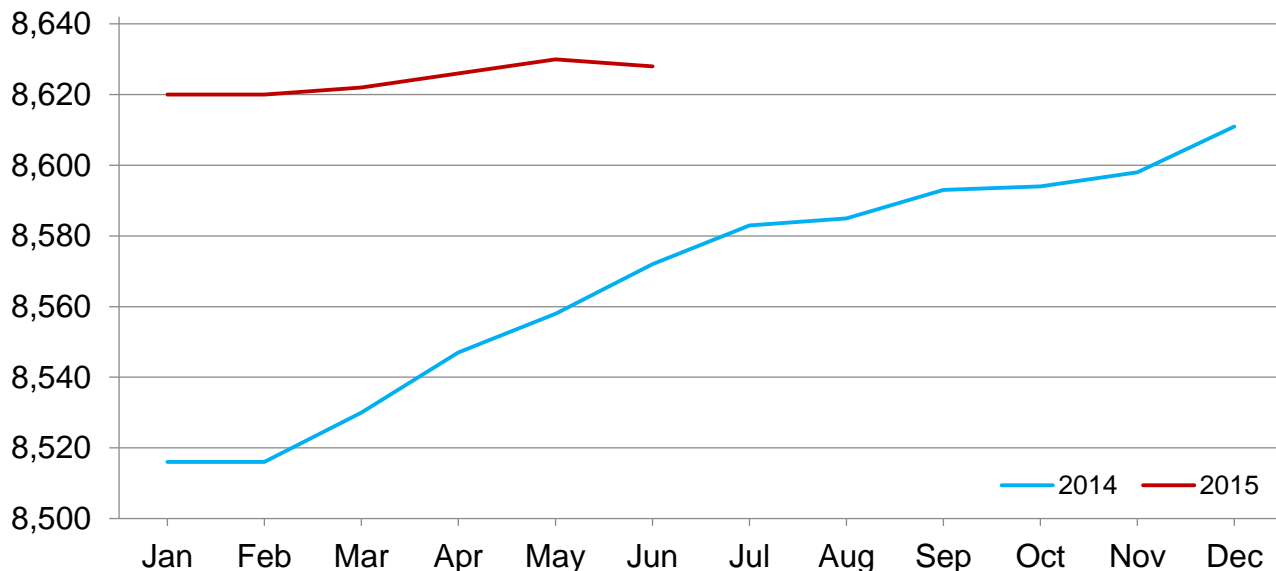
	Milk cows ¹		Milk per cow ²		Milk production ²		Change from 2014
	2014	2015	2014	2015	2014	2015	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	192	195	2,225	2,210	427	431	0.9
California	1,779	1,778	2,110	2,055	3,754	3,654	-2.7
Colorado	144	145	2,165	2,200	312	319	2.2
Florida	123	125	1,885	1,920	232	240	3.4
Idaho	574	586	2,090	2,105	1,200	1,234	2.8
Illinois	94	95	1,765	1,790	166	170	2.4
Indiana	177	181	1,935	1,935	342	350	2.3
Iowa	207	212	1,965	2,015	407	427	4.9
Kansas	141	144	1,950	1,965	275	283	2.9
Michigan	384	407	2,145	2,195	824	893	8.4
Minnesota	460	460	1,715	1,795	789	826	4.7
New Mexico	323	323	2,240	2,190	724	707	-2.3
New York	615	618	1,935	1,990	1,190	1,230	3.4
Ohio	266	267	1,800	1,785	479	477	-0.4
Oregon	125	123	1,825	1,790	228	220	-3.5
Pennsylvania	530	530	1,760	1,815	933	962	3.1
South Dakota	97	105	1,855	1,905	180	200	11.1
Texas	465	462	1,990	1,975	925	912	-1.4
Utah	95	96	1,990	2,040	189	196	3.7
Vermont	131	132	1,755	1,775	230	234	1.7
Virginia	93	92	1,700	1,730	158	159	0.6
Washington	274	276	2,110	2,090	578	577	-0.2
Wisconsin	1,269	1,278	1,885	1,945	2,392	2,486	3.9
23-State Total	8,558	8,630	1,979	1,992	16,934	17,187	1.5

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Monthly Milk Cows – 23 Selected States

Thousand head



Milk Cows and Production – States and United States: Revised January - March 2014 and 2015

[May not add due to rounding]

State	January - March milk cows ¹		January - March milk production ²		
	2014	2015	2014	2015	Change from 2014
	(1,000 head)	(1,000 head)	(million pounds)	(million pounds)	(percent)
Alabama	9.0	8.0	30.0	29.0	-3.3
Alaska	0.3	0.3	0.8	0.9	12.5
Arizona	192.0	195.0	1,202.0	1,238.0	3.0
Arkansas	7.5	7.0	24.0	25.0	4.2
California	1,781.0	1,779.0	10,835.0	10,513.0	-3.0
Colorado	140.0	145.0	852.0	914.0	7.3
Connecticut	19.0	19.0	96.0	98.0	2.1
Delaware	4.7	4.9	24.5	25.5	4.1
Florida	123.0	124.0	671.0	699.0	4.2
Georgia	81.0	81.0	443.0	468.0	5.6
Hawaii	2.3	2.2	7.4	8.3	12.2
Idaho	568.0	581.0	3,324.0	3,390.0	2.0
Illinois	95.0	95.0	471.0	482.0	2.3
Indiana	177.0	181.0	944.0	994.0	5.3
Iowa	205.0	210.0	1,139.0	1,194.0	4.8
Kansas	137.0	143.0	750.0	803.0	7.1
Kentucky	64.0	62.0	257.0	279.0	8.6
Louisiana	15.0	14.0	58.0	58.0	-
Maine	30.0	30.0	145.0	144.0	-0.7
Maryland	50.0	49.0	252.0	247.0	-2.0
Massachusetts	12.5	12.0	59.0	54.0	-8.5
Michigan	381.0	403.0	2,291.0	2,470.0	7.8
Minnesota	460.0	460.0	2,261.0	2,345.0	3.7
Mississippi	13.0	12.0	52.0	53.0	1.9
Missouri	90.0	87.0	336.0	345.0	2.7
Montana	14.0	14.0	75.0	74.0	-1.3
Nebraska	53.0	55.0	292.0	315.0	7.9
Nevada	29.0	28.0	164.0	175.0	6.7
New Hampshire	14.0	14.0	71.0	70.0	-1.4
New Jersey	7.0	7.0	32.0	33.0	3.1
New Mexico	323.0	323.0	2,026.0	1,962.0	-3.2
New York	615.0	616.0	3,333.0	3,404.0	2.1
North Carolina	45.0	47.0	245.0	257.0	4.9
North Dakota	17.0	16.0	81.0	80.0	-1.2
Ohio	266.0	268.0	1,325.0	1,358.0	2.5
Oklahoma	40.0	40.0	178.0	180.0	1.1
Oregon	124.0	125.0	638.0	636.0	-0.3
Pennsylvania	531.0	530.0	2,663.0	2,719.0	2.1
Rhode Island	0.9	0.9	4.2	4.1	-2.4
South Carolina	16.0	15.0	71.0	72.0	1.4
South Dakota	95.0	101.0	507.0	553.0	9.1
Tennessee	46.0	46.0	188.0	196.0	4.3
Texas	449.0	467.0	2,531.0	2,602.0	2.8
Utah	95.0	96.0	516.0	549.0	6.4
Vermont	132.0	132.0	654.0	657.0	0.5
Virginia	93.0	93.0	449.0	448.0	-0.2
Washington	269.0	277.0	1,603.0	1,632.0	1.8
West Virginia	9.0	9.0	35.0	36.0	2.9
Wisconsin	1,270.0	1,275.0	6,783.0	7,028.0	3.6
Wyoming	6.0	6.0	31.5	32.0	1.6
United States	9,216.0	9,305.0	51,020.0	51,949.0	1.8

- Represents zero.

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production – States and United States: Preliminary April - June 2014 and 2015

[May not add due to rounding]

State	April - June milk cows ¹		April - June milk production ²		
	2014	2015	2014	2015	Change from 2014
	(1,000 head)	(1,000 head)	(million pounds)	(million pounds)	(percent)
Alabama	8.5	8.0	31.0	29.0	-6.5
Alaska	0.3	0.3	0.9	0.9	-
Arizona	192.0	195.0	1,250.0	1,264.0	1.1
Arkansas	7.5	7.0	28.0	27.0	-3.6
California	1,779.0	1,778.0	10,979.0	10,652.0	-3.0
Colorado	144.0	145.0	914.0	947.0	3.6
Connecticut	19.0	19.5	97.0	102.0	5.2
Delaware	4.8	5.0	24.9	25.9	4.0
Florida	123.0	125.0	680.0	699.0	2.8
Georgia	81.0	82.0	452.0	468.0	3.5
Hawaii	2.2	2.2	7.8	8.4	7.7
Idaho	574.0	586.0	3,533.0	3,611.0	2.2
Illinois	94.0	95.0	482.0	495.0	2.7
Indiana	177.0	181.0	995.0	1,023.0	2.8
Iowa	207.0	212.0	1,179.0	1,241.0	5.3
Kansas	141.0	144.0	799.0	825.0	3.3
Kentucky	64.0	62.0	268.0	288.0	7.5
Louisiana	15.0	14.0	57.0	52.0	-8.8
Maine	30.0	30.0	152.0	149.0	-2.0
Maryland	50.0	49.0	254.0	255.0	0.4
Massachusetts	12.5	12.0	61.0	56.0	-8.2
Michigan	385.0	406.0	2,420.0	2,606.0	7.7
Minnesota	460.0	460.0	2,310.0	2,406.0	4.2
Mississippi	13.0	12.0	51.0	48.0	-5.9
Missouri	91.0	88.0	373.0	370.0	-0.8
Montana	14.0	14.0	76.0	77.0	1.3
Nebraska	54.0	56.0	302.0	326.0	7.9
Nevada	29.0	29.0	176.0	182.0	3.4
New Hampshire	14.0	14.0	72.0	72.0	-
New Jersey	7.0	7.0	33.0	33.0	-
New Mexico	323.0	323.0	2,102.0	2,044.0	-2.8
New York	615.0	618.0	3,484.0	3,580.0	2.8
North Carolina	45.0	46.0	249.0	255.0	2.4
North Dakota	16.5	16.0	84.0	85.0	1.2
Ohio	266.0	267.0	1,396.0	1,396.0	-
Oklahoma	40.0	40.0	186.0	184.0	-1.1
Oregon	125.0	123.0	666.0	646.0	-3.0
Pennsylvania	530.0	530.0	2,720.0	2,796.0	2.8
Rhode Island	0.9	0.9	4.5	4.0	-11.1
South Carolina	16.0	15.0	71.0	71.0	-
South Dakota	97.0	105.0	528.0	586.0	11.0
Tennessee	46.0	46.0	197.0	202.0	2.5
Texas	464.0	462.0	2,679.0	2,656.0	-0.9
Utah	95.0	96.0	554.0	576.0	4.0
Vermont	131.0	132.0	677.0	682.0	0.7
Virginia	93.0	92.0	458.0	461.0	0.7
Washington	273.0	276.0	1,695.0	1,697.0	0.1
West Virginia	9.0	9.0	37.0	37.0	-
Wisconsin	1,269.0	1,278.0	7,019.0	7,285.0	3.8
Wyoming	6.0	6.0	33.0	34.0	3.0
United States	9,253.0	9,319.0	52,897.0	53,615.0	1.4

- Represents zero.

¹ Excludes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Statistical Methodology

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 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 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, milk per cow, and number of milk cows are subject to revision the following month after initial publication for monthly States or the following quarter for the quarterly States. Normally, administrative data from Federal Market Orders, State Departments of Agriculture, or other sources are the main basis for revisions. However, administrative data for all States may not be available in time for these revisions. 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 20 quarters is 0.1 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 9.32 million head by more than 0.1 percent. Chances are 9 out of 10 that the difference will not exceed 0.1 percent.

Reliability of Quarterly Milk Production Estimates

[Based on data for the past 20 quarters]

Item	Root mean square error	90 percent confidence level	Difference between first and latest estimate				
			Average	Smallest	Largest	Quarters	
						Below latest	Above latest
	(percent)	(percent)	(1,000)	(1,000)	(1,000)	(number)	(number)
Milk production	0.1	0.2	52	2	141	17	3
All milk cows	0.1	0.1	5	0	13	14	4

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

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Scott Hollis, Head, Livestock Section	(202) 690-2424
Travis Averill – Cattle, Cattle on Feed	(202) 720-3040
Sherry Bertramsen – Livestock Slaughter	(202) 720-3240
Doug Bounds – Hogs and Pigs	(202) 720-3106
Donnie Fike – Dairy Products	(202) 690-3236
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Vacant – Sheep and Goats	(202) 720-3570

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