



ISSN: 1949-1557

Released July 18, 2014, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## June Milk Production up 2.0 Percent

**Milk production** in the 23 major States during June totaled 16.2 billion pounds, up 2.0 Percent from June 2013. May revised production at 16.9 billion pounds, was up 1.6 percent from May 2013. The May revision represented an increase of 25 million pounds or 0.1 percent from last month's preliminary production estimate.

**Production per cow** in the 23 major States averaged 1,888 pounds for June. This is the highest production per cow for the month of June since the 23 State series began in 2003.

**The number of milk cows** on farms in the 23 major States was 8.57 million head, 11,000 head more than May 2014.

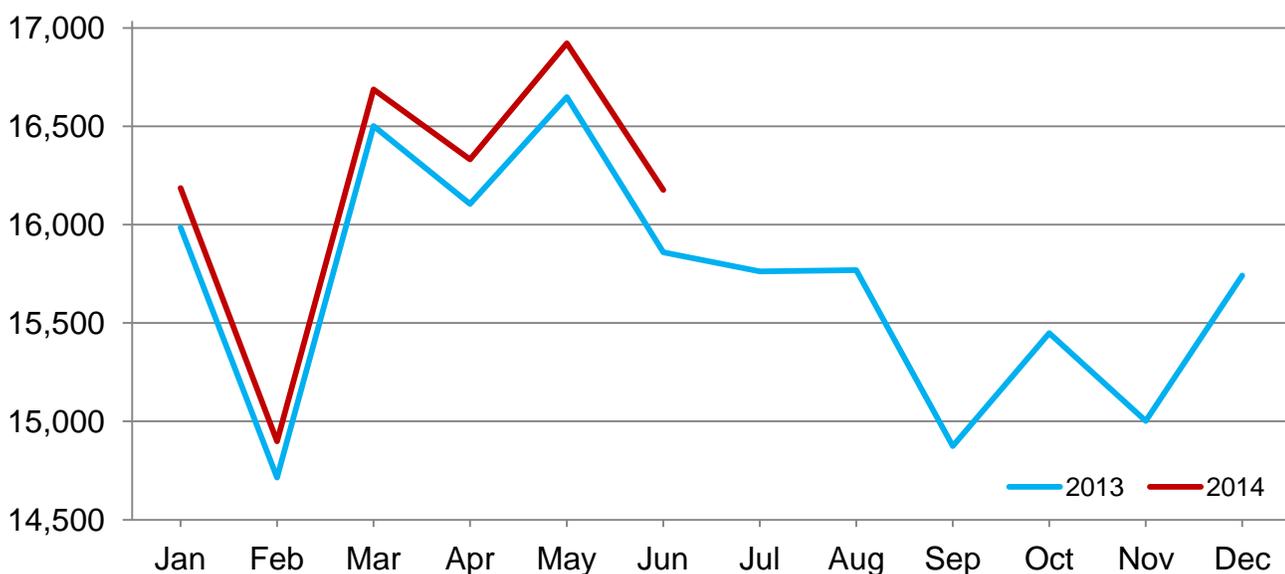
## April - June Milk Production up 1.6 Percent

**Milk production** in the United States during the April - June quarter totaled 52.8 billion pounds, up 1.6 percent from the April - June quarter last year.

**The average number of milk cows** in the United States during the quarter was 9.25 million head, 39,000 head more than the January - March quarter.

## Monthly Milk Production – 23 Selected States

Million pounds



## Milk Cows and Production by Quarter – United States: 2013-2014

[May not add due to rounding]

Quarter	Milk Cows <sup>1</sup>		Milk Per Cow <sup>2</sup>		Milk Production <sup>2</sup>		
	2013 <sup>3</sup>	2014	2013 <sup>3</sup>	2014	2013	2014	Change From 2013
	(1,000 Head)	(1,000 Head)	(Pounds)	(Pounds)	(Million Pounds)	(Million Pounds)	(Percent)
January-March .....		9,214		5,540	50,545	51,046	1.0
April-June .....		9,253		5,708	51,997	52,817	1.6
July-September .....	9,224		5,356		49,408		
October-December .....	9,201		5,355		49,268		
Annual .....	9,221		21,822		201,218		

<sup>1</sup> Includes dry cows. Excludes heifers not yet fresh.

<sup>2</sup> Excludes milk sucked by calves.

<sup>3</sup> Survey was not conducted in April and July, resulting in no milk cow and milk per cow data for March through June. 2013 annual totals include modeled data.

## Milk Cows and Production By Month – 23 Selected States: 2013-2014

Month	Milk cows <sup>1</sup>		Milk per cow <sup>2</sup>		Milk production <sup>2</sup>		
	2013 <sup>3</sup>	2014	2013 <sup>3</sup>	2014	2013	2014	Change from 2013
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January .....	8,497	8,512	1,881	1,902	15,985	16,186	1.3
February .....	8,498	8,513	1,732	1,750	14,715	14,899	1.3
March .....		8,521		1,958	16,501	16,687	1.1
April .....		8,542		1,912	16,105	16,332	1.4
May .....		8,559		1,977	16,648	16,922	1.6
June .....		8,570		1,888	15,860	16,177	2.0
July .....	8,522		1,850		15,762		
August .....	8,522		1,850		15,768		
September .....	8,508		1,748		14,874		
October .....	8,504		1,817		15,449		
November .....	8,499		1,765		15,002		
December .....	8,504		1,851		15,741		
Annual .....	8,508		22,145		188,410		

<sup>1</sup> Includes dry cows. Excludes heifers not yet fresh.

<sup>2</sup> Excludes milk sucked by calves.

<sup>3</sup> Survey was not conducted in April and July, resulting in no milk cow and milk per cow data for March through June.

## Estimated Milk Cows and Production By Month – United States: 2013-2014

Month	Milk cows <sup>1</sup>		Milk per cow <sup>2</sup>		Milk production <sup>2</sup>		
	2013 <sup>3</sup>	2014	2013 <sup>3</sup>	2014	2013	2014	Change from 2013
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January .....	9,222	9,210	1,855	1,878	17,109	17,293	1.1
February .....	9,223	9,212	1,709	1,728	15,759	15,920	1.0
March .....		9,221		1,934	17,677	17,833	0.9
April .....		9,239		1,891	17,249	17,470	1.3
May .....		9,255		1,954	17,813	18,082	1.5
June .....		9,266		1,863	16,935	17,265	1.9
July .....	9,235		1,818		16,788		
August .....	9,229		1,819		16,789		
September .....	9,208		1,719		15,831		
October .....	9,203		1,790		16,475		
November .....	9,198		1,740		16,003		
December .....	9,202		1,825		16,790		
Annual .....	9,221		21,822		201,218		

<sup>1</sup> Includes dry cows. Excludes heifers not yet fresh.

<sup>2</sup> Excludes milk sucked by calves.

<sup>3</sup> Survey was not conducted in April and July, resulting in no milk cow and milk per cow data for March through June.

## Milk Cows and Production – 23 Selected States: June 2013 and 2014

[May not add due to rounding]

State	Milk cows <sup>1</sup>		Milk per cow <sup>2</sup>		Milk production <sup>2</sup>		Change from 2013
	2013 <sup>3</sup>	2014	2013 <sup>3</sup>	2014	2013	2014	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona .....		193		2,000	378	386	2.1
California .....		1,779		1,995	3,489	3,549	1.7
Colorado .....		145		2,110	279	306	9.7
Florida .....		123		1,685	202	207	2.5
Idaho .....		577		2,045	1,156	1,180	2.1
Illinois .....		95		1,650	153	157	2.6
Indiana .....		177		1,830	319	324	1.6
Iowa .....		207		1,870	383	387	1.0
Kansas .....		142		1,845	244	262	7.4
Michigan .....		386		2,060	770	795	3.2
Minnesota .....		460		1,655	760	761	0.1
New Mexico .....		323		2,130	679	688	1.3
New York .....		615		1,870	1,147	1,150	0.3
Ohio .....		266		1,695	458	451	-1.5
Oregon .....		125		1,745	215	218	1.4
Pennsylvania .....		530		1,665	880	882	0.2
South Dakota .....		97		1,825	168	177	5.4
Texas .....		468		1,850	800	866	8.3
Utah .....		95		1,890	173	180	4.0
Vermont .....		131		1,710	221	224	1.4
Virginia .....		93		1,600	143	149	4.2
Washington .....		274		2,050	541	562	3.9
Wisconsin .....		1,269		1,825	2,302	2,316	0.6
23-State Total .....		8,570		1,888	15,860	16,177	2.0

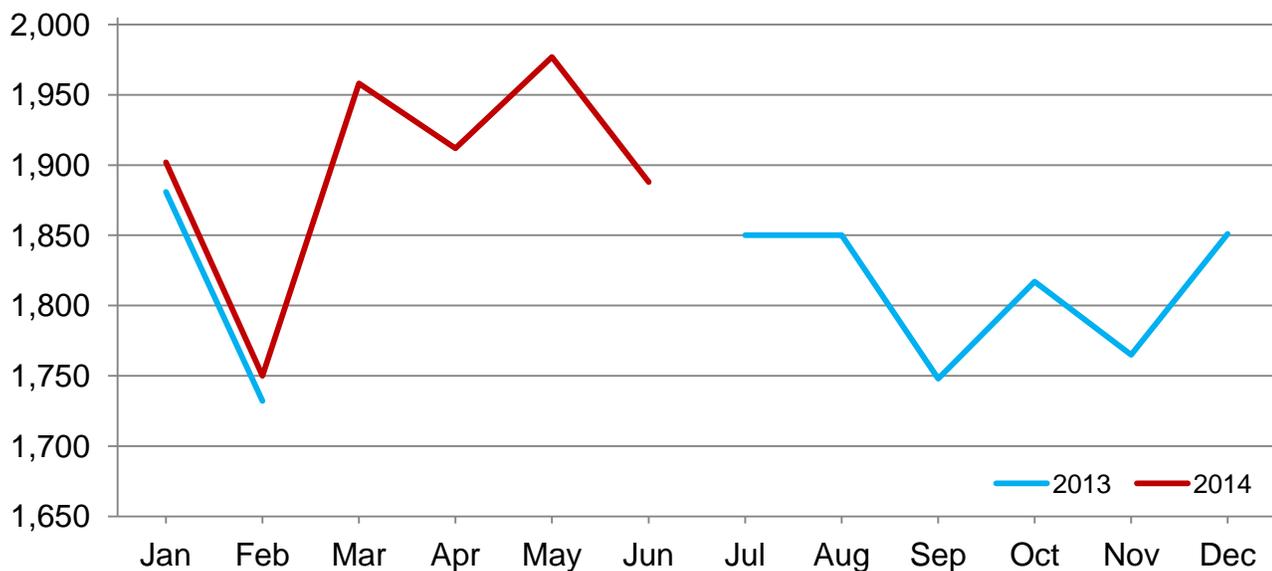
<sup>1</sup> Includes dry cows. Excludes heifers not yet fresh.

<sup>2</sup> Excludes milk sucked by calves.

<sup>3</sup> Survey was not conducted in April and July, resulting in no milk cow and milk per cow data for March through June.

## Monthly Milk per Cow – 23 Selected States

Pounds



## Milk Cows and Production – 23 Selected States: May 2013 and 2014

[May not add due to rounding]

	Milk cows <sup>1</sup>		Milk per cow <sup>2</sup>		Milk Production <sup>2</sup>		Change from 2013
	2013 <sup>3</sup>	2014	2013 <sup>3</sup>	2014	2013	2014	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona .....		192		2,225	411	427	3.9
California .....		1,779		2,110	3,720	3,754	0.9
Colorado .....		144		2,165	283	312	10.2
Florida .....		123		1,885	225	232	3.1
Idaho .....		574		2,090	1,178	1,200	1.9
Illinois .....		95		1,760	167	167	-
Indiana .....		177		1,935	340	342	0.6
Iowa .....		207		1,965	405	407	0.5
Kansas .....		141		1,955	258	276	7.0
Michigan .....		384		2,145	798	824	3.3
Minnesota .....		460		1,715	788	789	0.1
New Mexico .....		323		2,240	714	724	1.4
New York .....		615		1,935	1,193	1,190	-0.3
Ohio .....		266		1,795	489	477	-2.5
Oregon .....		125		1,825	222	228	2.7
Pennsylvania .....		530		1,750	941	928	-1.4
South Dakota .....		97		1,855	170	180	5.9
Texas .....		465		1,990	840	925	10.1
Utah .....		95		1,915	177	182	2.8
Vermont .....		131		1,755	231	230	-0.4
Virginia .....		93		1,700	155	158	1.9
Washington .....		274		2,110	558	578	3.6
Wisconsin .....		1,269		1,885	2,385	2,392	0.3
23-State Total .....		8,559		1,977	16,648	16,922	1.6

- Represents zero.

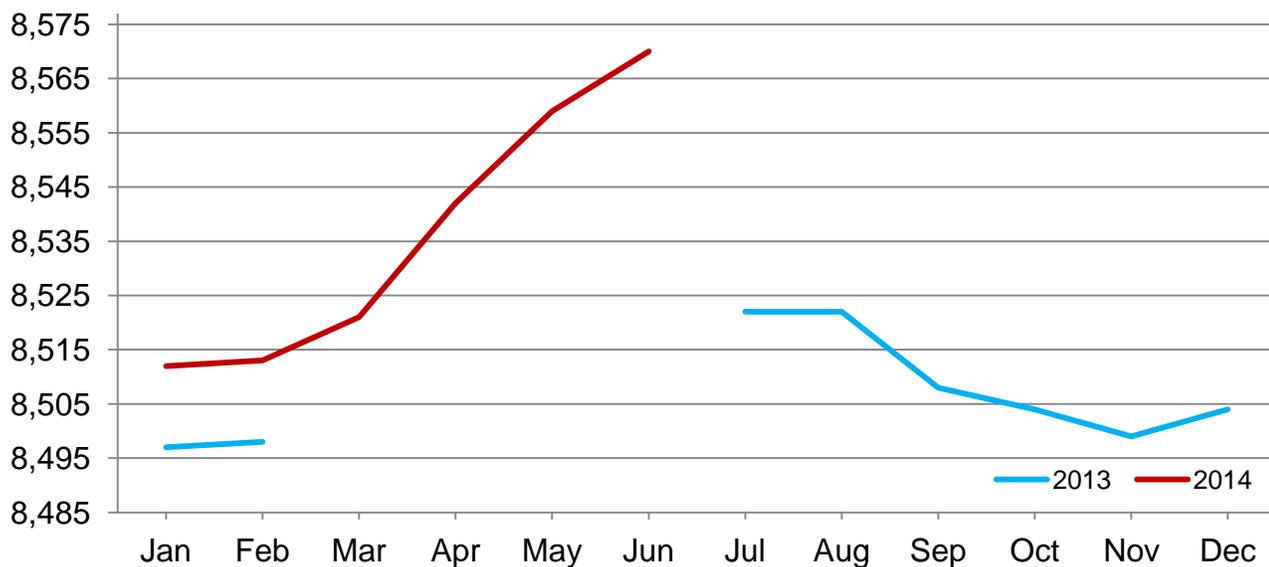
<sup>1</sup> Includes dry cows. Excludes heifers not yet fresh.

<sup>2</sup> Excludes milk sucked by calves.

<sup>3</sup> Survey was not conducted in April and July, resulting in no milk cow and milk per cow data for March through June.

## Monthly Milk Cows – 23 Selected States

Thousand head



## Milk Cows and Production – States and United States: Revised January - March 2013 and 2014

[May not add due to rounding]

State	January - March milk cows <sup>1</sup>		January - March milk production <sup>2</sup>		
	2013 <sup>3</sup>	2014	2013	2014	Change from 2013
	(1,000 head)	(1,000 head)	(million pounds)	(million pounds)	(percent)
Alabama .....		8.5	33.0	30.0	-9.1
Alaska .....		0.3	0.8	0.8	-
Arizona .....		192.0	1,186.0	1,202.0	1.3
Arkansas .....		7.5	31.0	24.0	-22.6
California .....		1,781.0	10,369.0	10,826.0	4.4
Colorado .....		140.0	806.0	851.0	5.6
Connecticut .....		19.0	92.0	96.0	4.3
Delaware .....		4.7	24.7	24.5	-0.8
Florida .....		123.0	642.0	671.0	4.5
Georgia .....		81.0	414.0	438.0	5.8
Hawaii .....		2.3	7.0	7.4	5.7
Idaho .....		568.0	3,241.0	3,324.0	2.6
Illinois .....		96.0	493.0	475.0	-3.7
Indiana .....		177.0	953.0	958.0	0.5
Iowa .....		205.0	1,171.0	1,137.0	-2.9
Kansas .....		137.0	722.0	750.0	3.9
Kentucky .....		67.0	292.0	274.0	-6.2
Louisiana .....		15.0	60.0	58.0	-3.3
Maine .....		30.0	151.0	146.0	-3.3
Maryland .....		50.0	250.0	251.0	0.4
Massachusetts .....		12.5	59.0	59.0	-
Michigan .....		381.0	2,284.0	2,301.0	0.7
Minnesota .....		460.0	2,336.0	2,261.0	-3.2
Mississippi .....		13.0	52.0	52.0	-
Missouri .....		90.0	346.0	336.0	-2.9
Montana .....		14.0	73.0	76.0	4.1
Nebraska .....		53.0	298.0	292.0	-2.0
Nevada .....		29.0	157.0	174.0	10.8
New Hampshire .....		14.0	69.0	70.0	1.4
New Jersey .....		7.0	32.0	32.0	-
New Mexico .....		323.0	2,042.0	2,026.0	-0.8
New York .....		615.0	3,325.0	3,333.0	0.2
North Carolina .....		45.0	244.0	245.0	0.4
North Dakota .....		17.0	88.0	81.0	-8.0
Ohio .....		266.0	1,379.0	1,334.0	-3.3
Oklahoma .....		40.0	217.0	178.0	-18.0
Oregon .....		124.0	613.0	638.0	4.1
Pennsylvania .....		531.0	2,663.0	2,663.0	-
Rhode Island .....		0.9	4.2	4.0	-4.8
South Carolina .....		16.0	72.0	71.0	-1.4
South Dakota .....		95.0	495.0	507.0	2.4
Tennessee .....		46.0	206.0	188.0	-8.7
Texas .....		443.0	2,415.0	2,519.0	4.3
Utah .....		95.0	490.0	507.0	3.5
Vermont .....		132.0	649.0	654.0	0.8
Virginia .....		93.0	440.0	449.0	2.0
Washington .....		269.0	1,547.0	1,603.0	3.6
West Virginia .....		9.0	39.0	35.0	-10.3
Wisconsin .....		1,270.0	6,940.0	6,783.0	-2.3
Wyoming .....		6.0	32.0	31.5	-1.6
United States .....		9,214.0	50,545.0	51,046.0	1.0

- Represents zero.

<sup>1</sup> Includes dry cows. Excludes heifers not yet fresh.

<sup>2</sup> Excludes milk sucked by calves.

<sup>3</sup> Survey was not conducted in April and July, resulting in no milk cow and milk per cow data for March through June.

## Milk Cows and Production – States and United States: Preliminary April - June 2013 and 2014

[May not add due to rounding]

State	April - June milk cows <sup>1</sup>		April - June milk production <sup>2</sup>		
	2013 <sup>3</sup>	2014	2013	2014	Change from 2013
	(1,000 head)	(1,000 head)	(million pounds)	(million pounds)	(percent)
Alabama .....		8.5	34.0	31.0	-8.8
Alaska .....		0.3	0.8	0.9	12.5
Arizona .....		192.0	1,200.0	1,237.0	3.1
Arkansas .....		7.5	30.0	23.0	-23.3
California .....		1,779.0	10,831.0	10,979.0	1.4
Colorado .....		144.0	833.0	914.0	9.7
Connecticut .....		19.0	98.0	97.0	-1.0
Delaware .....		4.7	24.7	24.5	-0.8
Florida .....		123.0	647.0	669.0	3.4
Georgia .....		81.0	421.0	452.0	7.4
Hawaii .....		2.2	7.9	7.8	-1.3
Idaho .....		574.0	3,451.0	3,519.0	2.0
Illinois .....		95.0	486.0	486.0	-
Indiana .....		177.0	987.0	991.0	0.4
Iowa .....		207.0	1,182.0	1,181.0	-0.1
Kansas .....		141.0	749.0	802.0	7.1
Kentucky .....		65.0	284.0	272.0	-4.2
Louisiana .....		15.0	58.0	56.0	-3.4
Maine .....		30.0	157.0	152.0	-3.2
Maryland .....		50.0	249.0	254.0	2.0
Massachusetts .....		12.5	61.0	61.0	-
Michigan .....		384.0	2,333.0	2,408.0	3.2
Minnesota .....		460.0	2,322.0	2,314.0	-0.3
Mississippi .....		13.0	51.0	50.0	-2.0
Missouri .....		91.0	369.0	373.0	1.1
Montana .....		14.0	76.0	79.0	3.9
Nebraska .....		54.0	299.0	303.0	1.3
Nevada .....		29.0	165.0	179.0	8.5
New Hampshire .....		14.0	68.0	71.0	4.4
New Jersey .....		7.0	33.0	33.0	-
New Mexico .....		323.0	2,093.0	2,102.0	0.4
New York .....		615.0	3,472.0	3,475.0	0.1
North Carolina .....		45.0	245.0	251.0	2.4
North Dakota .....		16.5	89.0	83.0	-6.7
Ohio .....		266.0	1,420.0	1,385.0	-2.5
Oklahoma .....		40.0	210.0	186.0	-11.4
Oregon .....		125.0	650.0	667.0	2.6
Pennsylvania .....		530.0	2,725.0	2,715.0	-0.4
Rhode Island .....		0.9	4.7	4.4	-6.4
South Carolina .....		16.0	72.0	72.0	-
South Dakota .....		97.0	501.0	530.0	5.8
Tennessee .....		46.0	203.0	200.0	-1.5
Texas .....		463.0	2,456.0	2,678.0	9.0
Utah .....		95.0	520.0	536.0	3.1
Vermont .....		131.0	672.0	676.0	0.6
Virginia .....		93.0	451.0	461.0	2.2
Washington .....		273.0	1,636.0	1,695.0	3.6
West Virginia .....		9.0	41.0	37.0	-9.8
Wisconsin .....		1,269.0	6,996.0	7,011.0	0.2
Wyoming .....		6.0	32.7	33.0	0.9
United States .....		9,253.0	51,997.0	52,817.0	1.6

- Represents zero.

<sup>1</sup> Excludes dry cows. Excludes heifers not yet fresh.

<sup>2</sup> Excludes milk sucked by calves.

<sup>3</sup> Survey was not conducted in April and July, resulting in no milk cow and milk per cow data for March through June.

## 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 9.25 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	41	3	110	14	6
All milk cows .....	0.1	0.1	4	0	10	10	7

## 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](mailto:nass@nass.usda.gov)

Dan Kerestes, Chief, Livestock Branch .....	(202) 720-3570
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Travis Averill – Cattle, Cattle on Feed .....	(202) 720-3040
Doug Bounds – Hogs and Pigs .....	(202) 720-3106
Alissa Cowell-Mytar – Sheep and Goats.....	(202) 720-4751
Donnie Fike – Dairy Products .....	(202) 690-3236
Tiffany Hora – Livestock Slaughter .....	(515) 284-4340
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278

## Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: <http://www.nass.usda.gov>
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit <http://www.nass.usda.gov> and in the “Follow NASS” box under “Receive reports by Email,” click on “National” or “State” to select the reports you would like to receive.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the bases of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).