



Milk Production

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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.

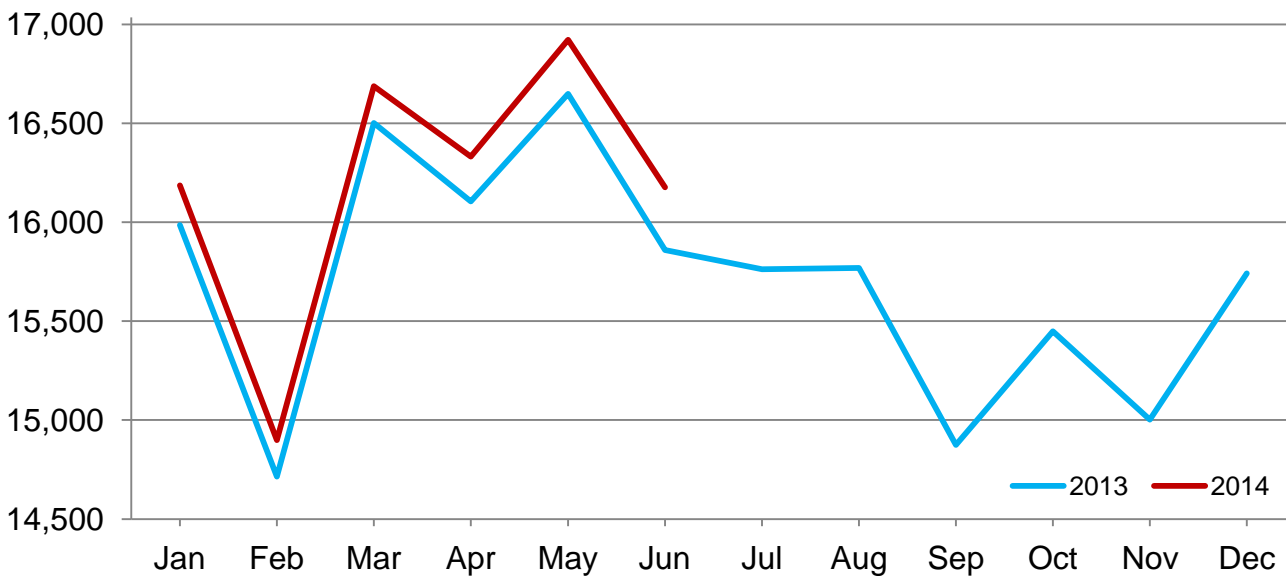
April - June Milk Production up 1.6 Percent

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 ¹		Milk Per Cow ²		Milk Production ²		
	2013 ³	2014	2013 ³	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		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

³ 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 ¹		Milk per cow ²		Milk production ²		
	2013 ³	2014	2013 ³	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		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

³ 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 ¹		Milk per cow ²		Milk production ²		
	2013 ³	2014	2013 ³	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		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

³ 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 ¹		Milk per cow ²		Milk production ²		Change from 2013
	2013 ³	2014	2013 ³	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

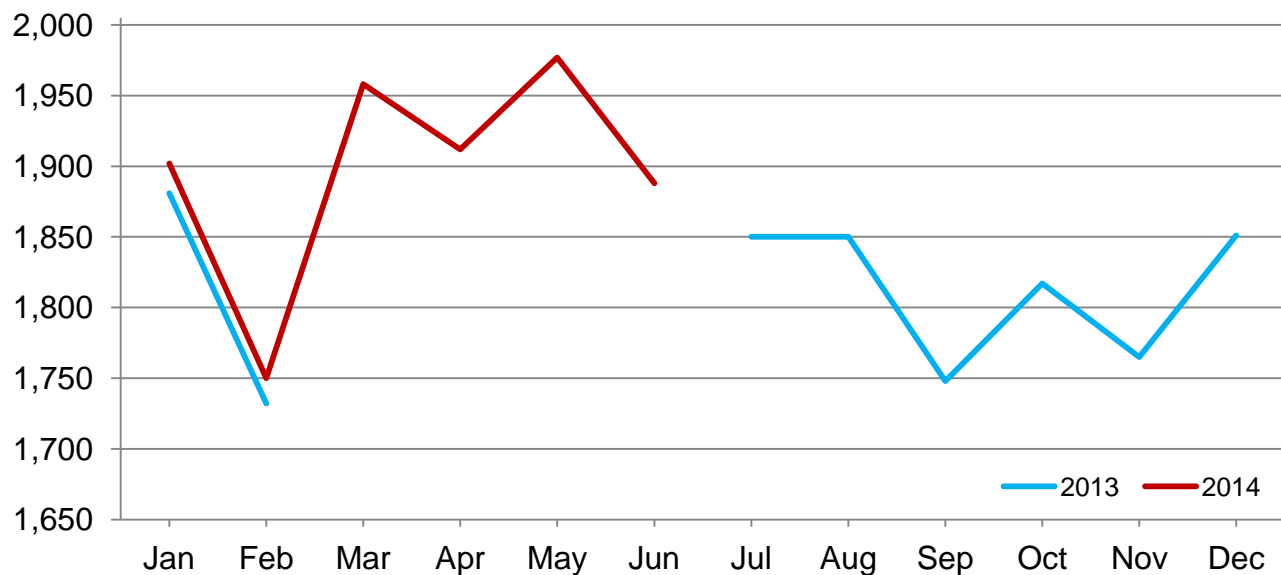
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² Excludes milk sucked by calves.

³ 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 ¹		Milk per cow ²		Milk Production ²		Change from 2013
	2013 ³	2014	2013 ³	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.

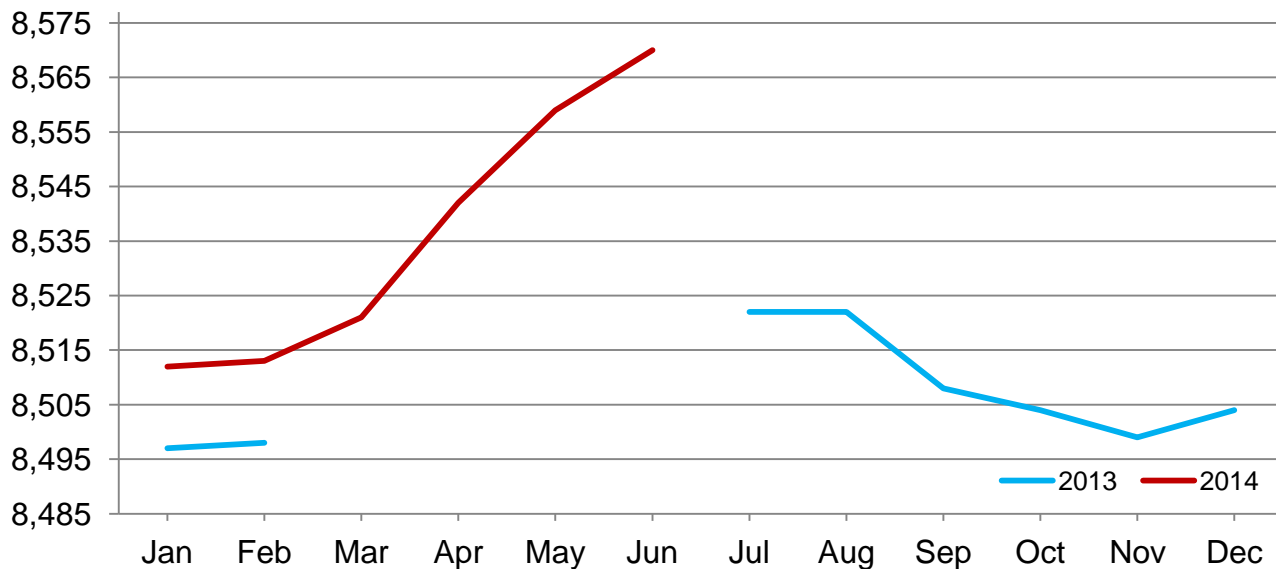
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Monthly Milk Cows – 23 Selected States

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 ¹		January - March milk production ²		
	2013 ³	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.

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

³ 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 ¹		April - June milk production ²		
	2013 ³	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.

¹ Excludes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

³ 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

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

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