



# Milk Production

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## Special Note

Due to sequestration, administrative data will be used for all releases of this report through the end of the fiscal year on September 30, 2013. Releases will contain milk production data only. No information on the number of cows or milk per cow will be released. Please check the NASS website at [www.nass.usda.gov](http://www.nass.usda.gov) for any future updates on NASS programs.

## March Milk Production down 0.1 Percent

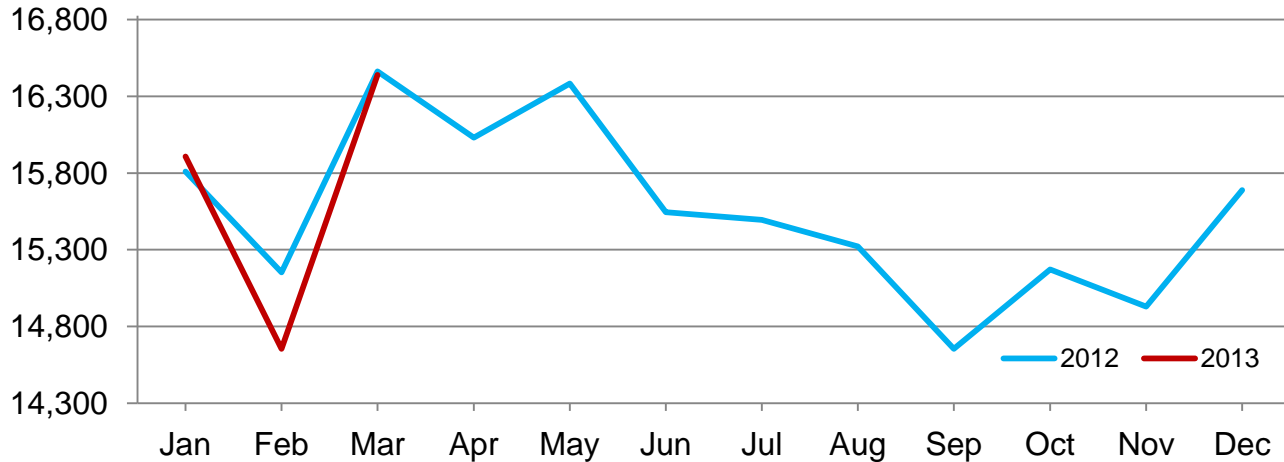
**Milk production** in the 23 major States during March totaled 16.4 billion pounds, down 0.1 percent from March 2012. February revised production at 14.7 billion pounds, was down 3.3 percent from February 2012. However, production was 0.2 percent above last year after adjusting for the leap year. The February revision represented an increase of 15 million pounds or 0.1 percent from last month's preliminary production estimate.

## January - March Milk Production down 1.1 Percent

**Milk production** in the United States during the January - March quarter totaled 50.5 billion pounds, down 1.1 percent from the January - March quarter last year.

## Monthly Milk Production – 23 Selected States

Million pounds



## Milk Production by Quarter – 2012-2013

[Excludes milk sucked by calves. Blank data cells indicate estimation period has not yet begun]

Quarter	United States		
	2012	2013	Change from 2012
	(million pounds)	(million pounds)	(percent)
January-March .....	51,044	50,495	-1.1
April-June .....	51,509		
July-September .....	48,675		
October-December .....	49,096		
Annual .....	200,324		

## Estimated Milk Production by Month 2012-2013

[Excludes milk sucked by calves. Blank data cells indicate estimation period has not yet begun]

Month	23 Selected States			United States		
	2012	2013	Change from 2012	2012	2013	Change from 2012
	(million pounds)	(million pounds)	(percent)	(million pounds)	(million pounds)	(percent)
January .....	15,810	15,907	0.6	17,016	17,089	0.4
February .....	15,153	14,653	-3.3	16,310	15,743	-3.5
March .....	16,462	16,440	-0.1	17,718	17,663	-0.3
April .....	16,031			17,232		
May .....	16,384			17,601		
June .....	15,544			16,676		
July .....	15,495			16,585		
August .....	15,322			16,403		
September .....	14,653			15,687		
October .....	15,172			16,267		
November .....	14,929			16,008		
December .....	15,688			16,821		
Annual .....	186,643			200,324		

## Milk Production – 23 Selected States: February and March, 2012 and 2013

[Excludes milk sucked by calves]

State	Milk production					
	February			March		
	2012	2013	Change from 2012	2012	2013	Change from 2012
	(million pounds)	(million pounds)	(percent)	(million pounds)	(million pounds)	(percent)
Arizona .....	396	369	-6.8	435	423	-2.8
California .....	3,506	3,225	-8.0	3,804	3,678	-3.3
Colorado .....	248	252	1.6	270	278	3.0
Florida .....	210	204	-2.9	228	225	-1.3
Idaho .....	1,046	1,005	-3.9	1,127	1,133	0.5
Illinois .....	163	160	-1.8	177	177	-
Indiana .....	306	304	-0.7	330	340	3.0
Iowa .....	361	353	-2.2	388	392	1.0
Kansas .....	214	225	5.1	239	251	5.0
Michigan .....	701	705	0.6	767	790	3.0
Minnesota .....	735	728	-1.0	793	807	1.8
Missouri .....	113	108	-4.4	135	125	-7.4
New Mexico .....	665	639	-3.9	736	715	-2.9
New York .....	1,055	1,034	-2.0	1,138	1,159	1.8
Ohio .....	435	431	-0.9	470	481	2.3
Oregon .....	197	191	-3.0	215	216	0.5
Pennsylvania .....	849	833	-1.9	923	926	0.3
Texas .....	800	757	-5.4	876	840	-4.1
Utah .....	154	144	-6.5	166	162	-2.4
Vermont .....	204	202	-1.0	221	226	2.3
Virginia .....	145	137	-5.5	158	153	-3.2
Washington .....	498	482	-3.2	537	543	1.1
Wisconsin .....	2,152	2,165	0.6	2,329	2,400	3.0
23-State Total .....	15,153	14,653	-3.3	16,462	16,440	-0.1

- Represents zero.

## Milk Production – States and United States: Revised October-December 2011 and 2012 and Preliminary January-March 2012 and 2013

[Excludes milk sucked by calves]

State	October-December milk production			January-March milk production		
	2011	2012	Change from 2011	2012	2013	Change from 2012
	(million pounds)	(million pounds)	(percent)	(million pounds)	(million pounds)	(percent)
Alabama .....	32.0	29.0	-9.4	39.0	33.0	-15.4
Alaska .....	1.7	1.2	-29.4	1.7	0.8	-52.9
Arizona .....	1,090.0	1,068.0	-2.0	1,230.0	1,186.0	-3.6
Arkansas .....	33.0	29.0	-12.1	38.0	32.0	-15.8
California .....	10,267.0	9,989.0	-2.7	10,927.0	10,365.0	-5.1
Colorado .....	757.0	807.0	6.6	780.0	805.0	3.2
Connecticut .....	88.0	86.0	-2.3	93.0	92.0	-1.1
Delaware .....	22.0	22.0	-	25.0	24.2	-3.2
Florida .....	533.0	531.0	-0.4	655.0	640.0	-2.3
Georgia .....	358.0	359.0	0.3	424.0	410.0	-3.3
Hawaii .....	6.4	6.6	3.1	7.2	7.0	-2.8
Idaho .....	3,294.0	3,348.0	1.6	3,289.0	3,244.0	-1.4
Illinois .....	478.0	483.0	1.0	511.0	510.0	-0.2
Indiana .....	889.0	914.0	2.8	951.0	966.0	1.6
Iowa .....	1,088.0	1,118.0	2.8	1,131.0	1,136.0	0.4
Kansas .....	643.0	697.0	8.4	674.0	721.0	7.0
Kentucky .....	266.0	269.0	1.1	306.0	292.0	-4.6
Louisiana .....	54.0	49.0	-9.3	69.0	59.0	-14.5
Maine .....	149.0	150.0	0.7	153.0	151.0	-1.3
Maryland .....	236.0	239.0	1.3	255.0	250.0	-2.0
Massachusetts .....	52.0	55.0	5.8	55.0	58.0	5.5
Michigan .....	2,120.0	2,223.0	4.9	2,208.0	2,272.0	2.9
Minnesota .....	2,185.0	2,271.0	3.9	2,300.0	2,332.0	1.4
Mississippi .....	47.0	46.0	-2.1	58.0	52.0	-10.3
Missouri .....	339.0	334.0	-1.5	366.0	348.0	-4.9
Montana .....	73.0	74.0	1.4	74.0	73.0	-1.4
Nebraska .....	294.0	297.0	1.0	300.0	298.0	-0.7
Nevada .....	167.0	159.0	-4.8	167.0	166.0	-0.6
New Hampshire .....	68.0	65.0	-4.4	71.0	69.0	-2.8
New Jersey .....	32.0	30.0	-6.3	34.0	32.0	-5.9
New Mexico .....	2,046.0	1,976.0	-3.4	2,086.0	2,042.0	-2.1
New York .....	3,160.0	3,257.0	3.1	3,291.0	3,325.0	1.0
North Carolina .....	227.0	226.0	-0.4	252.0	243.0	-3.6
North Dakota .....	83.0	87.0	4.8	86.0	88.0	2.3
Ohio .....	1,288.0	1,343.0	4.3	1,352.0	1,375.0	1.7
Oklahoma .....	223.0	201.0	-9.9	241.0	217.0	-10.0
Oregon .....	609.0	608.0	-0.2	619.0	613.0	-1.0
Pennsylvania .....	2,589.0	2,604.0	0.6	2,668.0	2,663.0	-0.2
Rhode Island .....	4.8	4.1	-14.6	4.9	4.2	-14.3
South Carolina .....	70.0	65.0	-7.1	81.0	72.0	-11.1
South Dakota .....	472.0	497.0	5.3	492.0	495.0	0.6
Tennessee .....	200.0	191.0	-4.5	222.0	206.0	-7.2
Texas .....	2,412.0	2,336.0	-3.2	2,503.0	2,415.0	-3.5
Utah .....	470.0	478.0	1.7	484.0	464.0	-4.1
Vermont .....	623.0	637.0	2.2	641.0	649.0	1.2
Virginia .....	424.0	423.0	-0.2	454.0	440.0	-3.1
Washington .....	1,530.0	1,520.0	-0.7	1,560.0	1,549.0	-0.7
West Virginia .....	38.0	38.0	-	40.0	39.0	-2.5
Wisconsin .....	6,475.0	6,824.0	5.4	6,745.0	6,940.0	2.9
Wyoming .....	30.0	32.0	6.7	29.8	32.0	7.4
United States .....	48,636.0	49,096.0	0.9	51,044.0	50,495.0	-1.1

- Represents zero.

## Statistical Methodology

**Data Sources:** Data for the *Milk Production* report are obtained from Federal Milk Market Orders, dairy check-off data, State Departments of Agriculture, and other administrative sources.

**Estimation Procedures:** State offices prepare these estimates by using all available administrative data. Individual State estimates are reviewed by the Agricultural Statistics Board for reasonableness.

**Revision Policy:** Milk production is subject to revision the following month for monthly States or the following quarter for the quarterly States. Additional administrative data are the main basis for revisions. However, not all data are 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:** Results are subject to non-sampling errors such as mistakes in reporting, recording, and processing the administrative 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 administrative 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 milk production 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 the milk production 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 50.5 billion pounds by more than 0.1 percent. Chances are 9 out of 10 that the difference will not exceed 0.2 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
Milk production .....	(percent) 0.1	(percent) 0.2	(1,000) 43	(1,000) 3	(1,000) 96	(number) 16	(number) 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](mailto:nass@nass.usda.gov)

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