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April Milk Production down 0.9 Percent

Milk production in the 24 major States during April totaled 18.3 billion pounds, down 0.9 percent from April 2021. March revised production, at 18.8 billion pounds, was down 0.3 percent from March 2021. The March revision represented an increase of 23 million pounds or 0.1 percent from last month's preliminary production estimate.

Production per cow in the 24 major States averaged 2,054 pounds for April, 1 pound below April 2021.

The number of milk cows on farms in the 24 major States was 8.91 million head, 78,000 head less than April 2021, but unchanged from March 2022.

April Milk Production in the United States down 1.0 Percent

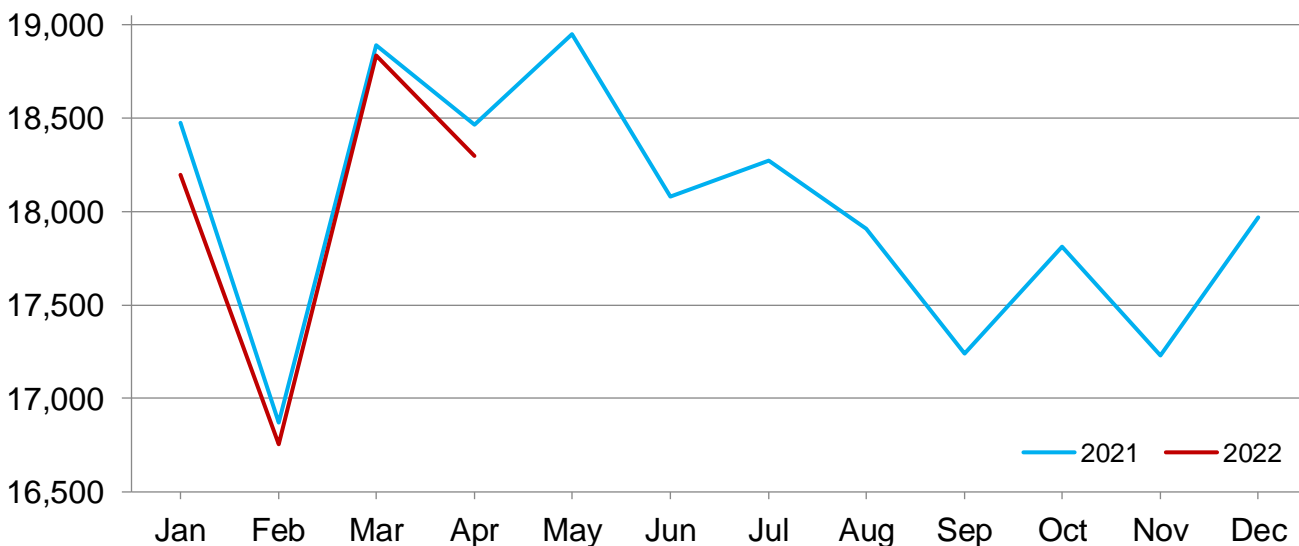
Milk production in the United States during April totaled 19.2 billion pounds, down 1.0 percent from April 2021.

Production per cow in the United States averaged 2,037 pounds for April, unchanged from April 2021.

The number of milk cows on farms in the United States was 9.40 million head, 98,000 head less than April 2021, but unchanged from March 2022.

Monthly Milk Production - 24 Selected States

Million pounds



Milk Cows and Production by Quarter – United States: 2021-2022

[May not add due to rounding. Blank data cells indicate estimation period has not yet begun]

Quarter	Milk cows ¹		Milk per cow ²		Milk production ²		Change from 2021
	2021	2022	2021	2022	2021	2022	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January-March	9,466	9,383	6,005	5,999	56,847	56,286	-1.0
April-June	9,503		6,119		58,147		
July-September	9,442		5,914		55,836		
October-December	9,381		5,909		55,428		
Annual	9,448		23,948		226,258		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production by Month – 24 Selected States: 2021-2022

[May not add due to rounding. Blank data cells indicate estimation period has not yet begun]

Month	Milk cows ¹		Milk per cow ²		Milk production ²		Change from 2021
	2021	2022	2021	2022	2021	2022	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January	8,938	8,874	2,067	2,051	18,477	18,198	-1.5
February	8,954	8,887	1,884	1,885	16,871	16,755	-0.7
March	8,970	8,909	2,106	2,114	18,888	18,835	-0.3
April	8,987	8,909	2,055	2,054	18,467	18,299	-0.9
May	8,996		2,106		18,949		
June	8,991		2,011		18,078		
July	8,983		2,034		18,272		
August	8,939		2,004		17,910		
September	8,909		1,935		17,239		
October	8,892		2,003		17,812		
November	8,888		1,939		17,232		
December	8,880		2,024		17,971		
Annual	8,944		24,169		216,166		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Estimated Milk Cows and Production by Month – United States: 2021-2022

[May not add due to rounding. Blank data cells indicate estimation period has not yet begun]

Month	Milk cows ¹		Milk per cow ²		Milk production ²		Change from 2021
	2021	2022	2021	2022	2021	2022	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January	9,450	9,367	2,049	2,033	19,365	19,040	-1.7
February	9,466	9,380	1,868	1,869	17,685	17,533	-0.9
March	9,482	9,402	2,088	2,097	19,797	19,713	-0.4
April	9,500	9,402	2,037	2,037	19,350	19,150	-1.0
May	9,507		2,088		19,855		
June	9,501		1,994		18,942		
July	9,483		2,014		19,097		
August	9,438		1,984		18,721		
September	9,405		1,916		18,018		
October	9,387		1,984		18,623		
November	9,382		1,920		18,015		
December	9,373		2,005		18,790		
Annual	9,448		23,948		226,258		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production – 24 Selected States: April 2021 and 2022

[May not add due to rounding]

State	Milk cows ¹		Milk per cow ²		Milk production ²		Change from 2021
	2021	2022	2021	2022	2021	2022	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	201	200	2,185	2,185	439	437	-0.5
California	1,719	1,721	2,120	2,105	3,644	3,623	-0.6
Colorado	205	203	2,165	2,165	444	439	-1.1
Florida	110	98	1,805	1,785	199	175	-12.1
Georgia	82	91	1,915	1,930	157	176	12.1
Idaho	653	653	2,105	2,105	1,375	1,375	-
Illinois	83	80	1,880	1,880	156	150	-3.8
Indiana	195	187	2,000	2,000	390	374	-4.1
Iowa	228	229	2,040	2,050	465	469	0.9
Kansas	175	171	2,005	2,010	351	344	-2.0
Michigan	444	427	2,280	2,290	1,012	978	-3.4
Minnesota	462	453	1,895	1,905	875	863	-1.4
New Mexico	333	292	2,140	2,125	713	621	-12.9
New York	626	620	2,100	2,105	1,315	1,305	-0.8
Ohio	260	250	1,840	1,840	478	460	-3.8
Oregon	126	128	1,755	1,775	221	227	2.7
Pennsylvania	475	467	1,840	1,830	874	855	-2.2
South Dakota	152	177	1,885	1,890	287	335	16.7
Texas	620	643	2,155	2,175	1,336	1,399	4.7
Utah	96	94	1,945	1,945	187	183	-2.1
Vermont	119	118	1,825	1,820	217	215	-0.9
Virginia	73	70	1,770	1,800	129	126	-2.3
Washington	276	264	2,025	2,005	559	529	-5.4
Wisconsin	1,274	1,273	2,075	2,075	2,644	2,641	-0.1
24-State Total	8,987	8,909	2,055	2,054	18,467	18,299	-0.9

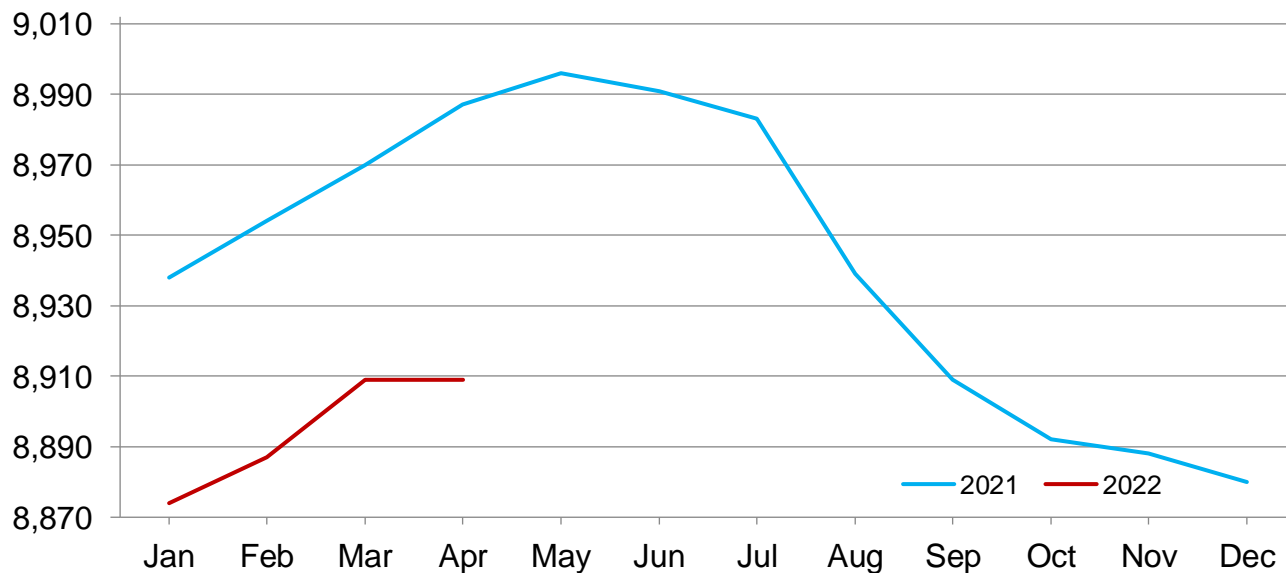
- Represents zero.

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Monthly Milk Cows - 24 Selected States

Thousand head



Milk Cows and Production – 24 Selected States: March 2021 and 2022

[May not add due to rounding]

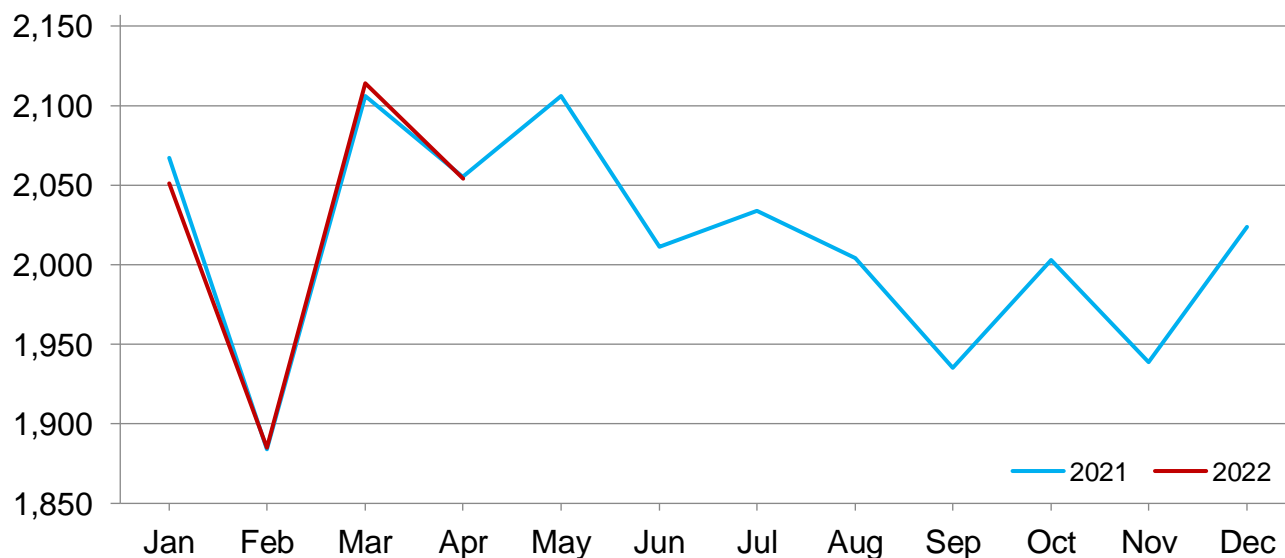
	Milk cows ¹		Milk per cow ²		Milk production ²		Change from 2021
	2021	2022	2021	2022	2021	2022	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	200	200	2,260	2,255	452	451	-0.2
California	1,720	1,721	2,165	2,165	3,724	3,726	0.1
Colorado	204	203	2,230	2,230	455	453	-0.4
Florida	109	98	1,880	1,870	205	183	-10.7
Georgia	81	90	2,010	2,030	163	183	12.3
Idaho	652	653	2,135	2,140	1,392	1,397	0.4
Illinois	83	80	1,940	1,940	161	155	-3.7
Indiana	194	187	2,065	2,065	401	386	-3.7
Iowa	227	229	2,115	2,125	480	487	1.5
Kansas	175	171	2,080	2,060	364	352	-3.3
Michigan	442	427	2,345	2,355	1,036	1,006	-2.9
Minnesota	462	453	1,970	1,975	910	895	-1.6
New Mexico	333	295	2,165	2,215	721	653	-9.4
New York	626	620	2,140	2,150	1,340	1,333	-0.5
Ohio	260	250	1,910	1,920	497	480	-3.4
Oregon	126	128	1,795	1,810	226	232	2.7
Pennsylvania	475	467	1,880	1,870	893	873	-2.2
South Dakota	147	177	1,940	1,945	285	344	20.7
Texas	618	640	2,180	2,245	1,347	1,437	6.7
Utah	96	94	1,970	1,965	189	185	-2.1
Vermont	119	118	1,870	1,870	223	221	-0.9
Virginia	73	70	1,820	1,830	133	128	-3.8
Washington	278	265	2,060	2,080	573	551	-3.8
Wisconsin	1,270	1,273	2,140	2,140	2,718	2,724	0.2
24-State Total	8,970	8,909	2,106	2,114	18,888	18,835	-0.3

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Monthly Milk Per Cow - 24 Selected States

Pounds



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 such as Agricultural Marketing Service (AMS) Dairy Market News. Indications of milk cow inventory are also obtained in the January Cattle Survey.

Estimation Procedures: Regional Field 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 in the table below. 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 24 State milk production estimates over the past 24 months is 0.4 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 18.3 billion pounds by more than 0.4 percent. Chances are 9 out of 10 that the difference will not exceed 0.6 percent.

Reliability of Monthly Milk Production Estimates

[Based on data for the past 24 months]

Item	Root mean square error	90 percent confidence level	Difference between first and latest estimate				
			Average	Smallest	Largest	Months	
						Below latest	Above latest
	(percent)	(percent)	(1,000)	(1,000)	(1,000)	(number)	(number)
Milk production	0.4	0.6	52	8	181	16	8
All Milk cows	0.2	0.3	12	1	30	15	9

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@usda.gov.

Travis Averill, Chief, Livestock Branch	(202) 692-0069
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed	(202) 720-3040
Anthony Fischer – Hogs and Pigs	(202) 720-3106
Logan Hartley-Sanguinett – Sheep and Goats	(202) 690-3236
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Suzanne Richards – Dairy Products	(202) 720-4448

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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@usda.gov.

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