



Milk Production

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January Milk Production up 1.8 Percent

Milk production in the 23 major States during January totaled 17.3 billion pounds, up 1.8 percent from January 2017. December revised production, at 17.0 billion pounds, was up 1.1 percent from December 2016. The December revision represented an increase of 4 million pounds or less than 0.1 percent from last month's preliminary production estimate.

Production per cow in the 23 major States averaged 1,979 pounds for January, 24 pounds above January 2017. This is the highest production per cow for the month of January since the 23 State series began in 2003.

The number of milk cows on farms in the 23 major States was 8.74 million head, 49,000 head more than January 2017, and 4,000 head more than December 2017.

2017 Annual Milk Production up 1.4 Percent from 2016

The annual production of milk for the United States during 2017 was 215 billion pounds, 1.4 percent above 2016. Revisions to 2016 production decreased the annual total 31 million pounds. Revised 2017 production was up 35 million pounds from last month's publication. Annual total milk production has increased 13.4 percent from 2008.

Production per cow in the United States averaged 22,941 pounds for 2017, 163 pounds above 2016. The average annual rate of milk production per cow has increased 12.5 percent from 2008.

The average number of milk cows on farms in the United States during 2017 was 9.39 million head, up 0.7 percent from 2016. The average number of milk cows was unrevised for 2017. The average annual number of milk cows has increased 0.8 percent from 2008.

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Milk Cows and Production by Quarter – United States: 2017-2018

[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		
	2017	2018	2017	2018	2017	2018	Change from 2017
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January-March	9,369		5,717		53,562		
April-June	9,399		5,888		55,344		
July-September	9,402		5,687		53,473		
October-December	9,398		5,649		53,087		
Annual	9,392		22,941		215,466		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production by Month – 23 Selected States: 2017-2018

[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		
	2017	2018	2017	2018	2017	2018	Change from 2017
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January	8,691	8,740	1,955	1,979	16,993	17,293	1.8
February	8,696		1,799		15,645		
March	8,714		2,016		17,564		
April	8,722		1,972		17,200		
May	8,730		2,037		17,783		
June	8,733		1,941		16,947		
July	8,734		1,972		17,224		
August	8,741		1,946		17,014		
September	8,737		1,850		16,162		
October	8,731		1,914		16,710		
November	8,734		1,859		16,235		
December	8,736		1,943		16,978		
Annual	8,725		23,204		202,455		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Estimated Milk Cows and Production by Month – United States: 2017-2018

[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		
	2017	2018	2017	2018	2017	2018	Change from 2017
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January	9,359	9,405	1,937	1,962	18,128	18,450	1.8
February	9,365		1,783		16,694		
March	9,383		1,997		18,740		
April	9,392		1,952		18,332		
May	9,401		2,016		18,952		
June	9,404		1,920		18,060		
July	9,404		1,943		18,268		
August	9,404		1,919		18,049		
September	9,399		1,825		17,156		
October	9,395		1,891		17,769		
November	9,398		1,837		17,260		
December	9,400		1,921		18,058		
Annual	9,392		22,941		215,466		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production – 23 Selected States: January 2017 and 2018

[May not add due to rounding]

	Milk cows ¹		Milk per cow ²		Milk production ²		
	2017	2018	2017	2018	2017	2018	Change from 2017
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	198	204	2,145	2,140	425	437	2.8
California	1,755	1,739	1,945	2,005	3,413	3,487	2.2
Colorado	155	167	2,175	2,230	337	372	10.4
Florida	122	124	1,850	1,800	226	223	-1.3
Idaho	600	602	1,995	2,030	1,197	1,222	2.1
Illinois	93	93	1,765	1,800	164	167	1.8
Indiana	186	187	1,930	1,945	359	364	1.4
Iowa	215	220	2,000	2,025	430	446	3.7
Kansas	151	153	1,935	1,975	292	302	3.4
Michigan	425	428	2,190	2,200	931	942	1.2
Minnesota	460	455	1,805	1,840	830	837	0.8
New Mexico	325	334	2,090	2,135	679	713	5.0
New York	621	625	2,030	1,950	1,261	1,219	-3.3
Ohio	262	264	1,790	1,800	469	475	1.3
Oregon	124	124	1,685	1,700	209	211	1.0
Pennsylvania	525	525	1,765	1,790	927	940	1.4
South Dakota	117	119	1,880	1,885	220	224	1.8
Texas	494	515	2,015	2,045	995	1,053	5.8
Utah	92	97	1,905	1,945	175	189	8.0
Vermont	129	128	1,805	1,780	233	228	-2.1
Virginia	87	87	1,700	1,700	148	148	-
Washington	275	275	1,960	2,000	539	550	2.0
Wisconsin	1,280	1,275	1,980	1,995	2,534	2,544	0.4
23-State Total	8,691	8,740	1,955	1,979	16,993	17,293	1.8

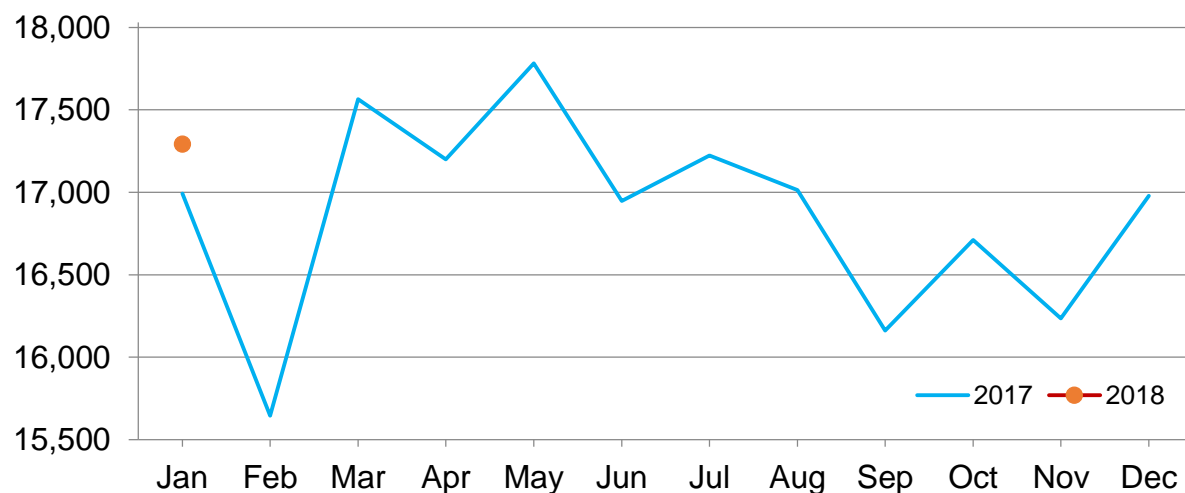
- Represents zero.

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Monthly Milk Production – 23 Selected States

Million pounds



Milk Production (February 2018)

USDA, National Agricultural Statistics Service

Milk Cows and Production – 23 Selected States: December 2016 and 2017

State	Milk cows ¹		Milk per cow ²		Milk production ²		
	2016	2017	2016	2017	2016	2017	Change from 2016
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	196	203	2,180	2,110	427	428	0.2
California	1,756	1,741	1,925	1,935	3,380	3,369	-0.3
Colorado	155	166	2,180	2,225	338	369	9.2
Florida	122	124	1,720	1,675	210	208	-1.0
Idaho	600	600	2,015	2,010	1,209	1,206	-0.2
Illinois	93	93	1,730	1,770	161	165	2.5
Indiana	185	187	1,890	1,900	350	355	1.4
Iowa	215	220	1,980	2,010	426	442	3.8
Kansas	150	153	1,925	1,965	289	301	4.2
Michigan	425	428	2,140	2,180	910	933	2.5
Minnesota	461	456	1,770	1,810	816	825	1.1
New Mexico	325	332	2,055	2,075	668	689	3.1
New York	620	625	2,010	1,950	1,246	1,219	-2.2
Ohio	262	264	1,770	1,740	464	459	-1.1
Oregon	124	124	1,670	1,675	207	208	0.5
Pennsylvania	525	525	1,735	1,735	911	911	-
South Dakota	116	118	1,875	1,865	218	220	0.9
Texas	490	515	1,945	2,000	953	1,030	8.1
Utah	92	97	1,920	1,935	177	188	6.2
Vermont	129	128	1,785	1,775	230	227	-1.3
Virginia	88	87	1,640	1,680	144	146	1.4
Washington	275	274	1,990	1,975	547	541	-1.1
Wisconsin	1,279	1,276	1,960	1,990	2,507	2,539	1.3
23-State Total	8,683	8,736	1,933	1,943	16,788	16,978	1.1

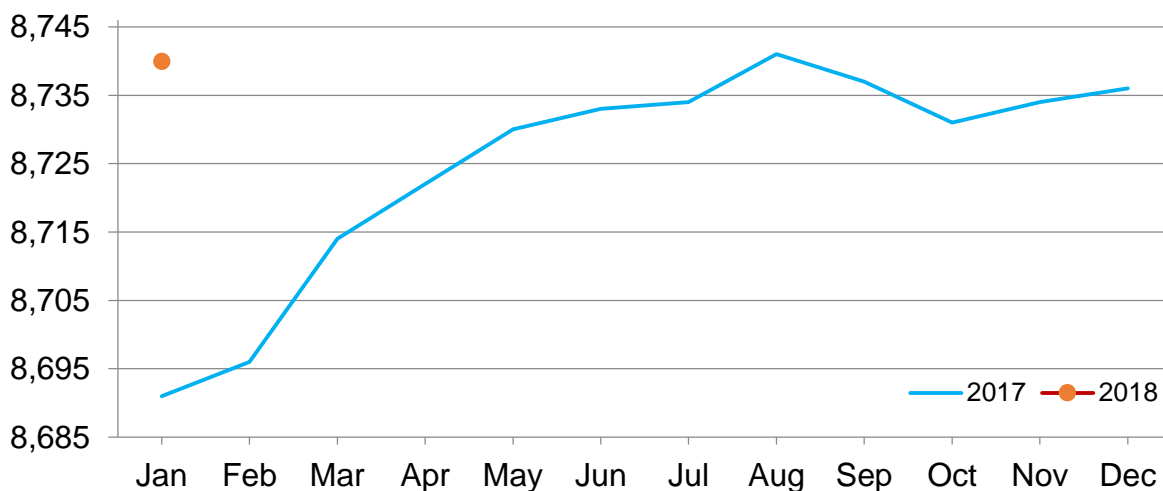
- Represents zero.

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 – United States: 2008-2017

[May not add due to rounding]

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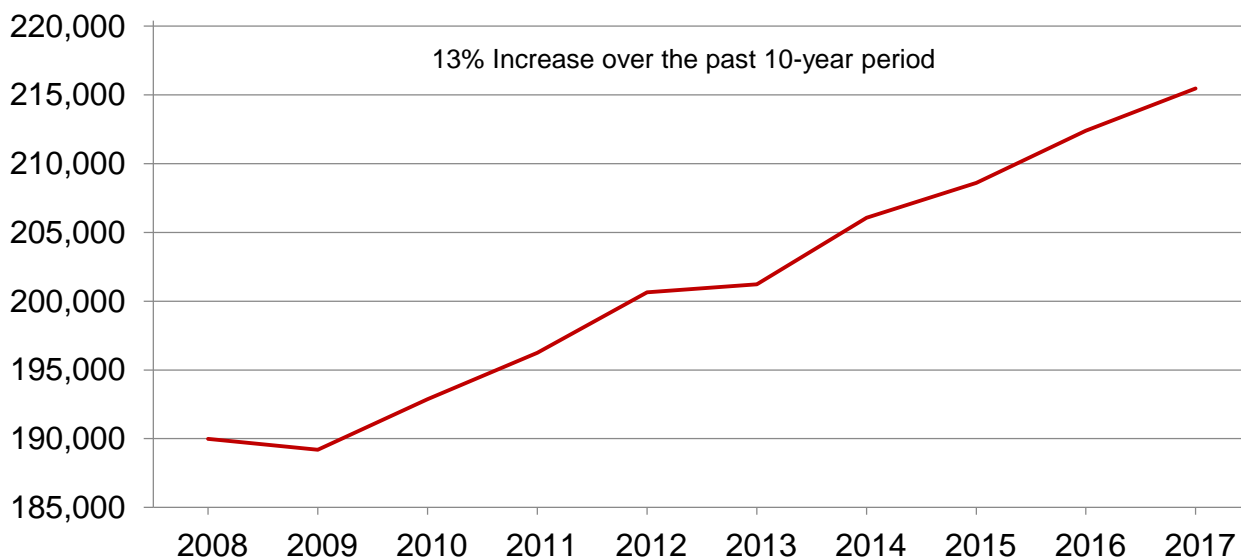
Year	Milk cows ¹	Production per cow ²		Milk production ²
		Milk		Total
	(1,000 head)	(pounds)		(million pounds)
2008	9,314	20,397		189,978
2009	9,202	20,561		189,202
2010	9,123	21,142		192,877
2011	9,199	21,334		196,255
2012	9,237	21,722		200,642
2013	9,224	21,816		201,231
2014	9,257	22,259		206,054
2015	9,314	22,396		208,597
2016	9,325	22,778		212,405
2017	9,392	22,941		215,466

¹ Average number during year, excluding heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Production – United States: 2008-2017

Million pounds



Milk Cows and Production – States and United States: 2016 and 2017

[May not add due to rounding]

	Milk cows ¹		Milk per cow ²		Milk production ²		
	2016	2017	2016	2017	2016	2017	Change from 2016
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Alabama	7.0	6.0	13,143	14,833	92.0	89.0	-3.3
Alaska	0.3	0.3	11,667	9,667	3.5	2.9	-17.1
Arizona	196.0	203.0	24,679	24,680	4,837.0	5,010.0	3.6
Arkansas	6.0	6.0	13,333	13,167	80.0	79.0	-1.3
California	1,762.0	1,749.0	22,968	22,755	40,469.0	39,798.0	-1.7
Colorado	151.0	160.0	25,993	26,181	3,925.0	4,189.0	6.7
Connecticut	19.0	19.0	21,526	22,105	409.0	420.0	2.7
Delaware	5.0	5.0	19,100	18,560	95.5	92.8	-2.8
Florida	123.0	124.0	20,285	20,129	2,495.0	2,496.0	-
Georgia	84.0	84.0	21,786	21,905	1,830.0	1,840.0	0.5
Hawaii	2.4	2.3	14,542	16,913	34.9	38.9	11.5
Idaho	595.0	600.0	24,647	24,378	14,665.0	14,627.0	-0.3
Illinois	94.0	93.0	20,340	20,742	1,912.0	1,929.0	0.9
Indiana	184.0	187.0	22,571	22,802	4,153.0	4,264.0	2.7
Iowa	213.0	218.0	23,634	23,725	5,034.0	5,172.0	2.7
Kansas	146.0	152.0	22,801	23,000	3,329.0	3,496.0	5.0
Kentucky	58.0	56.0	18,052	18,589	1,047.0	1,041.0	-0.6
Louisiana	12.0	12.0	14,083	13,333	169.0	160.0	-5.3
Maine	30.0	30.0	21,000	21,000	630.0	630.0	-
Maryland	48.0	48.0	19,938	19,854	957.0	953.0	-0.4
Massachusetts ..	12.0	12.0	18,417	17,583	221.0	211.0	-4.5
Michigan	419.0	427.0	25,957	26,302	10,876.0	11,231.0	3.3
Minnesota	461.0	458.0	20,967	21,537	9,666.0	9,864.0	2.0
Mississippi	10.0	9.0	14,400	15,222	144.0	137.0	-4.9
Missouri	85.0	85.0	14,824	14,588	1,260.0	1,240.0	-1.6
Montana	14.0	13.0	21,071	22,154	295.0	288.0	-2.4
Nebraska	60.0	60.0	23,317	24,067	1,399.0	1,444.0	3.2
Nevada	30.0	32.0	22,000	22,156	660.0	709.0	7.4
New Hampshire ..	14.0	13.0	20,500	21,000	287.0	273.0	-4.9
New Jersey	7.0	6.0	17,429	19,833	122.0	119.0	-2.5
New Mexico	315.0	329.0	24,479	24,960	7,711.0	8,212.0	6.5
New York	620.0	623.0	23,834	23,936	14,777.0	14,912.0	0.9
North Carolina ...	46.0	45.0	20,978	21,156	965.0	952.0	-1.3
North Dakota	16.0	16.0	21,500	21,563	344.0	345.0	0.3
Ohio	265.0	263.0	20,936	21,259	5,548.0	5,591.0	0.8
Oklahoma	37.0	39.0	18,703	18,667	692.0	728.0	5.2
Oregon	125.0	124.0	20,744	20,395	2,593.0	2,529.0	-2.5
Pennsylvania	529.0	525.0	20,454	20,834	10,820.0	10,938.0	1.1
Rhode Island	0.8	0.8	17,625	16,250	14.1	13.0	-7.8
South Carolina ..	15.0	15.0	16,667	16,467	250.0	247.0	-1.2
South Dakota	115.0	117.0	22,139	22,376	2,546.0	2,618.0	2.8
Tennessee	42.0	40.0	16,571	17,325	696.0	693.0	-0.4
Texas	475.0	511.0	22,680	23,589	10,773.0	12,054.0	11.9
Utah	92.0	95.0	22,772	23,316	2,095.0	2,215.0	5.7
Vermont	130.0	129.0	20,977	21,147	2,727.0	2,728.0	-
Virginia	90.0	87.0	19,144	19,954	1,723.0	1,736.0	0.8
Washington	276.0	274.0	24,094	23,818	6,650.0	6,526.0	-1.9
West Virginia	9.0	8.0	14,889	15,875	134.0	127.0	-5.2
Wisconsin	1,279.0	1,278.0	23,542	23,725	30,110.0	30,320.0	0.7
Wyoming	6.0	6.0	23,300	23,033	139.8	138.2	-1.1
United States	9,325.0	9,392.0	22,778	22,941	212,405.0	215,466.0	1.4

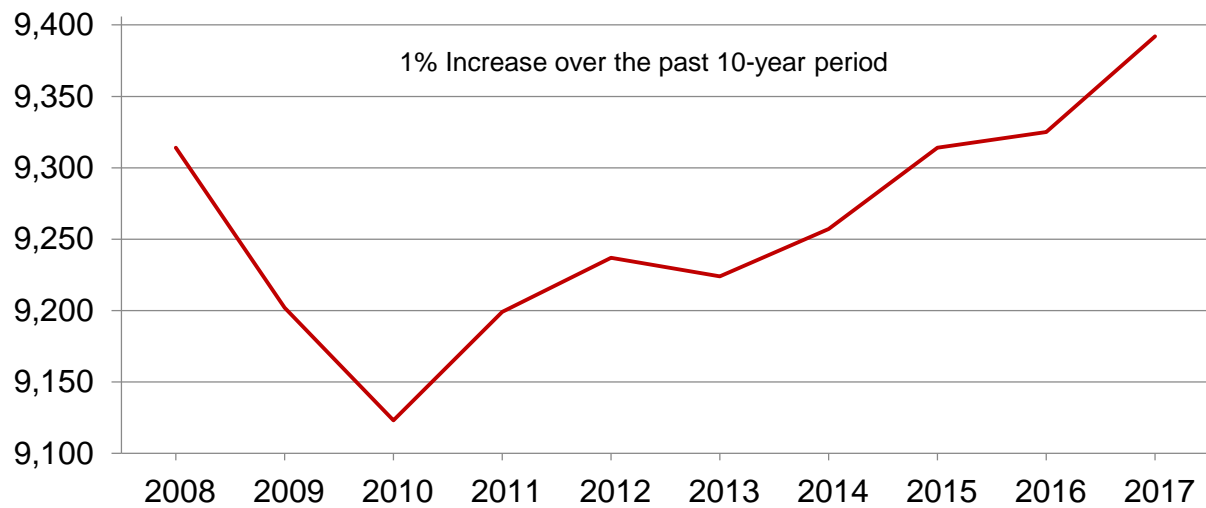
- Represents zero.

¹ Average number during year, excluding heifers not yet fresh.

² Excludes milk sucked by calves.

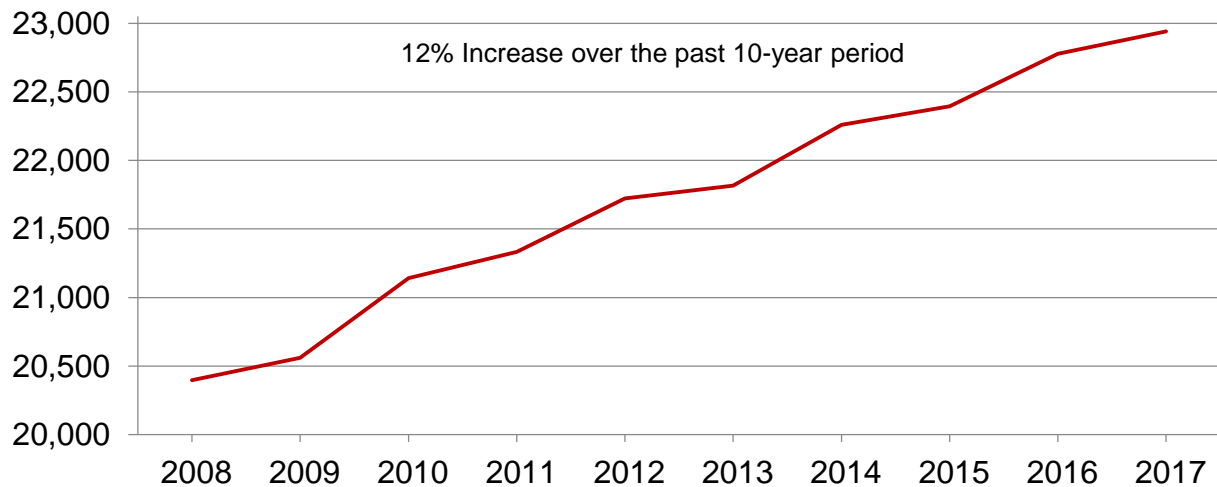
Milk Cows – United States: 2008-2017

Thousand head



Rate per Cow – United States: 2008-2017

Pounds



Milk Cows by Month – 23 Selected States, 23 State Total, and United States: 2016

[Includes dry cows, excludes heifers not yet fresh]

State	January	February	March	April	May	June
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Arizona	195	197	197	197	196	196
California	1,769	1,769	1,767	1,766	1,764	1,763
Colorado	148	148	149	149	149	150
Florida	126	126	125	124	123	122
Idaho	588	589	591	591	592	594
Illinois	94	94	94	94	94	94
Indiana	184	184	184	184	184	184
Iowa	210	211	212	212	213	213
Kansas	142	143	144	144	145	145
Michigan	413	414	416	417	418	419
Minnesota	460	460	460	460	461	462
New Mexico	310	311	311	311	310	310
New York	620	620	620	620	620	620
Ohio	266	266	266	266	266	266
Oregon	126	126	126	126	126	125
Pennsylvania	530	530	530	530	530	530
South Dakota	112	113	114	114	114	115
Texas	455	455	460	465	470	475
Utah	94	93	92	92	91	91
Vermont	131	131	131	131	131	131
Virginia	91	91	91	90	90	90
Washington	277	277	277	276	275	275
Wisconsin	1,280	1,280	1,280	1,279	1,279	1,278
23-State total	8,621	8,628	8,637	8,638	8,641	8,648
United States ¹	9,302	9,308	9,318	9,318	9,319	9,324

State	July	August	September	October	November	December	Annual average ²
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Arizona	196	197	197	197	196	196	196
California	1,760	1,759	1,758	1,758	1,757	1,756	1,762
Colorado	153	153	153	153	154	155	151
Florida	121	120	120	120	121	122	123
Idaho	599	599	599	599	599	600	595
Illinois	94	94	94	93	93	93	94
Indiana	184	184	184	184	185	185	184
Iowa	214	214	214	215	215	215	213
Kansas	145	146	147	147	149	150	146
Michigan	420	422	422	422	423	425	419
Minnesota	462	462	461	461	461	461	461
New Mexico	313	317	318	321	323	325	315
New York	620	620	620	620	620	620	620
Ohio	266	264	264	263	262	262	265
Oregon	125	125	125	124	124	124	125
Pennsylvania	530	529	527	526	525	525	529
South Dakota	115	115	115	115	116	116	115
Texas	480	485	485	490	490	490	475
Utah	90	90	91	91	92	92	92
Vermont	130	130	130	129	129	129	130
Virginia	89	89	89	88	88	88	90
Washington	275	275	275	275	275	275	276
Wisconsin	1,278	1,278	1,277	1,277	1,278	1,279	1,279
23-State Total	8,659	8,667	8,665	8,668	8,675	8,683	8,653
United States ¹	9,327	9,332	9,329	9,332	9,341	9,351	9,325

¹ United States monthly estimates are derived by proportionally allocating the quarterly estimates using the 23-state monthly total.

² Average based on monthly totals.

Milk Cows by Month – 23 Selected States, 23 State Total, and United States: 2017

[Includes dry cows, excludes heifers not yet fresh]

State	January	February	March	April	May	June
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Arizona	198	200	202	204	204	204
California	1,755	1,755	1,755	1,755	1,753	1,749
Colorado	155	156	158	159	159	160
Florida	122	123	124	124	124	124
Idaho	600	596	596	596	600	601
Illinois	93	93	93	93	93	93
Indiana	186	186	186	186	187	187
Iowa	215	216	216	217	217	217
Kansas	151	151	153	152	150	151
Michigan	425	425	425	426	427	427
Minnesota	460	460	459	459	459	458
New Mexico	325	325	327	328	329	332
New York	621	621	622	623	624	624
Ohio	262	262	262	262	262	262
Oregon	124	124	124	124	124	124
Pennsylvania	525	525	525	525	525	525
South Dakota	117	117	117	117	117	118
Texas	494	499	507	510	513	515
Utah	92	92	94	94	95	95
Vermont	129	129	129	129	129	129
Virginia	87	87	87	87	87	87
Washington	275	274	273	273	273	273
Wisconsin	1,280	1,280	1,280	1,279	1,279	1,278
23-State total	8,691	8,696	8,714	8,722	8,730	8,733
United States ¹	9,359	9,365	9,383	9,392	9,401	9,404

State	July	August	September	October	November	December	Annual average ²
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Arizona	204	204	205	205	204	203	203
California	1,747	1,746	1,745	1,743	1,743	1,741	1,749
Colorado	160	161	162	163	164	166	160
Florida	124	124	123	124	124	124	124
Idaho	601	603	603	600	600	600	600
Illinois	93	93	93	93	93	93	93
Indiana	187	187	187	187	187	187	187
Iowa	217	219	219	219	219	220	218
Kansas	151	152	152	152	153	153	152
Michigan	427	428	428	428	428	428	427
Minnesota	458	458	457	457	456	456	458
New Mexico	332	331	331	329	330	332	329
New York	624	624	624	624	625	625	623
Ohio	262	264	264	264	264	264	263
Oregon	124	123	123	123	124	124	124
Pennsylvania	525	525	525	525	525	525	525
South Dakota	118	118	118	117	117	118	117
Texas	515	515	515	515	515	515	511
Utah	96	97	97	97	97	97	95
Vermont	129	129	128	128	128	128	129
Virginia	87	87	87	87	87	87	87
Washington	275	275	274	274	274	274	274
Wisconsin	1,278	1,278	1,277	1,277	1,277	1,276	1,278
23-State total	8,734	8,741	8,737	8,731	8,734	8,736	8,725
United States ¹	9,404	9,404	9,399	9,395	9,398	9,400	9,392

¹ United States monthly estimates are derived by proportionally allocating the quarterly estimates using the 23-state monthly total.

² Average based on monthly totals.

Milk Produced per Cow by Month – 23 Selected States, 23 State Total, and United States: 2016

[Excludes milk sucked by calves]

State	January	February	March	April	May	June
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Arizona	2,110	2,095	2,260	2,160	2,210	2,030
California	1,940	1,865	2,040	1,970	2,015	1,905
Colorado	2,160	2,050	2,215	2,155	2,200	2,140
Florida	1,810	1,715	1,895	1,855	1,870	1,730
Idaho	2,005	1,910	2,075	2,025	2,125	2,090
Illinois	1,745	1,660	1,830	1,780	1,820	1,700
Indiana	1,915	1,815	1,960	1,920	1,965	1,830
Iowa	1,985	1,870	2,045	1,990	2,075	1,965
Kansas	1,905	1,830	1,990	1,940	1,970	1,855
Michigan	2,170	2,050	2,220	2,165	2,285	2,200
Minnesota	1,770	1,680	1,810	1,760	1,835	1,755
New Mexico	1,900	1,900	2,140	2,110	2,195	2,045
New York	1,960	1,850	2,000	1,970	2,085	2,020
Ohio	1,765	1,640	1,790	1,770	1,830	1,750
Oregon	1,720	1,650	1,800	1,760	1,825	1,760
Pennsylvania	1,715	1,630	1,770	1,745	1,805	1,710
South Dakota	1,890	1,770	1,890	1,840	1,915	1,820
Texas	1,835	1,815	1,990	1,955	1,975	1,860
Utah	1,845	1,715	1,915	1,885	1,990	1,970
Vermont	1,755	1,655	1,785	1,740	1,810	1,750
Virginia	1,645	1,565	1,695	1,665	1,705	1,590
Washington	2,005	1,920	2,065	2,010	2,080	2,010
Wisconsin	1,965	1,855	2,000	1,965	2,065	1,985
23-State total	1,920	1,834	1,995	1,947	2,019	1,926
United States ¹	1,901	1,815	1,975	1,927	1,997	1,906

State	July	August	September	October	November	December	Annual average
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Arizona	1,940	1,880	1,815	1,930	2,020	2,180	24,679
California	1,920	1,870	1,805	1,880	1,830	1,925	22,968
Colorado	2,215	2,225	2,120	2,175	2,130	2,180	25,993
Florida	1,645	1,585	1,450	1,475	1,595	1,720	20,285
Idaho	2,165	2,155	2,045	2,065	1,970	2,015	24,647
Illinois	1,660	1,615	1,585	1,635	1,630	1,730	20,340
Indiana	1,870	1,870	1,805	1,880	1,825	1,890	22,571
Iowa	1,985	1,970	1,880	1,955	1,905	1,980	23,634
Kansas	1,880	1,905	1,835	1,925	1,890	1,925	22,801
Michigan	2,220	2,180	2,085	2,140	2,085	2,140	25,957
Minnesota	1,765	1,745	1,670	1,720	1,690	1,770	20,967
New Mexico	2,080	2,085	1,965	2,025	1,980	2,055	24,479
New York	2,050	2,015	1,950	2,000	1,925	2,010	23,834
Ohio	1,770	1,730	1,675	1,750	1,715	1,770	20,936
Oregon	1,785	1,745	1,690	1,695	1,615	1,670	20,744
Pennsylvania	1,720	1,675	1,630	1,695	1,640	1,735	20,454
South Dakota	1,870	1,880	1,800	1,870	1,820	1,875	22,139
Texas	1,860	1,895	1,790	1,885	1,875	1,945	22,680
Utah	1,970	1,960	1,900	1,955	1,875	1,920	22,772
Vermont	1,770	1,745	1,690	1,750	1,700	1,785	20,977
Virginia	1,585	1,540	1,520	1,585	1,535	1,640	19,144
Washington	2,080	2,065	1,985	2,005	1,915	1,990	24,094
Wisconsin	2,010	1,990	1,910	1,950	1,895	1,960	23,542
23-State total	1,948	1,922	1,845	1,904	1,856	1,933	23,049
United States ¹	1,919	1,895	1,820	1,881	1,833	1,909	22,778

¹ United States monthly estimates are derived by proportionally allocating the quarterly estimates using the 23-state monthly total.

Milk Produced per Cow by Month – 23 Selected States, 23 State Total, and United States: 2017

[Excludes milk sucked by calves]

State	January	February	March	April	May	June
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Arizona	2,145	2,050	2,285	2,205	2,240	2,080
California	1,945	1,780	1,995	1,960	2,005	1,880
Colorado	2,175	2,005	2,235	2,165	2,215	2,170
Florida	1,850	1,730	1,925	1,830	1,865	1,725
Idaho	1,995	1,800	2,025	2,000	2,130	2,090
Illinois	1,765	1,640	1,860	1,810	1,860	1,720
Indiana	1,930	1,780	1,995	1,955	2,055	1,905
Iowa	2,000	1,830	2,045	1,995	2,055	1,975
Kansas	1,935	1,805	2,030	1,955	1,930	1,865
Michigan	2,190	2,030	2,265	2,225	2,315	2,220
Minnesota	1,805	1,660	1,855	1,810	1,870	1,805
New Mexico	2,090	1,960	2,220	2,150	2,210	2,095
New York	2,030	1,860	2,055	2,035	2,120	2,010
Ohio	1,790	1,640	1,865	1,835	1,905	1,785
Oregon	1,685	1,555	1,775	1,725	1,790	1,740
Pennsylvania	1,765	1,635	1,840	1,805	1,855	1,725
South Dakota	1,880	1,715	1,915	1,855	1,915	1,840
Texas	2,015	1,860	2,100	2,010	2,075	1,975
Utah	1,905	1,730	1,950	1,940	2,040	2,000
Vermont	1,805	1,645	1,820	1,785	1,855	1,765
Virginia	1,700	1,585	1,795	1,765	1,775	1,625
Washington	1,960	1,795	2,020	1,990	2,080	2,025
Wisconsin	1,980	1,820	2,030	1,985	2,050	1,980
23-State total	1,955	1,799	2,016	1,972	2,037	1,941
United States ¹	1,937	1,783	1,997	1,952	2,016	1,920

State	July	August	September	October	November	December	Annual average
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Arizona	1,975	1,890	1,820	1,910	1,960	2,110	24,680
California	1,930	1,870	1,760	1,870	1,825	1,935	22,755
Colorado	2,255	2,250	2,135	2,175	2,135	2,225	26,181
Florida	1,645	1,555	1,400	1,460	1,515	1,675	20,129
Idaho	2,160	2,155	2,025	2,045	1,955	2,010	24,378
Illinois	1,690	1,675	1,600	1,680	1,670	1,770	20,742
Indiana	1,870	1,870	1,820	1,910	1,855	1,900	22,802
Iowa	2,005	2,010	1,915	1,995	1,935	2,010	23,725
Kansas	1,920	1,920	1,880	1,935	1,880	1,965	23,000
Michigan	2,255	2,230	2,100	2,185	2,115	2,180	26,302
Minnesota	1,835	1,830	1,740	1,790	1,725	1,810	21,537
New Mexico	2,125	2,065	1,965	2,000	1,985	2,075	24,960
New York	2,045	2,015	1,925	1,980	1,895	1,950	23,936
Ohio	1,790	1,790	1,710	1,745	1,675	1,740	21,259
Oregon	1,755	1,735	1,675	1,700	1,620	1,675	20,395
Pennsylvania	1,730	1,725	1,655	1,700	1,660	1,735	20,834
South Dakota	1,905	1,915	1,820	1,870	1,795	1,865	22,376
Texas	1,990	1,950	1,855	1,890	1,890	2,000	23,589
Utah	2,030	2,010	1,910	1,930	1,880	1,935	23,316
Vermont	1,800	1,775	1,710	1,765	1,705	1,775	21,147
Virginia	1,605	1,610	1,580	1,630	1,610	1,680	19,954
Washington	2,070	2,050	1,965	1,995	1,900	1,975	23,818
Wisconsin	2,025	2,025	1,930	1,995	1,910	1,990	23,725
23-State total	1,972	1,946	1,850	1,914	1,859	1,943	23,204
United States ¹	1,943	1,919	1,825	1,891	1,837	1,921	22,941

¹ United States monthly estimates are derived by proportionally allocating the quarterly estimates using the 23-state monthly total.

Milk Production by Month – 23 Selected States, 23 State Total, and United States: 2016

[Excludes milk sucked by calves]

State	January	February	March	April	May	June
	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)
Arizona	411	413	445	426	433	398
California	3,432	3,299	3,605	3,479	3,554	3,359
Colorado	320	303	330	321	328	321
Florida	228	216	237	230	230	211
Idaho	1,179	1,125	1,226	1,197	1,258	1,241
Illinois	164	156	172	167	171	160
Indiana	352	334	361	353	362	337
Iowa	417	395	434	422	442	419
Kansas	271	262	287	279	286	269
Michigan	896	849	924	903	955	922
Minnesota	814	773	833	810	846	811
New Mexico	589	591	666	656	680	634
New York	1,215	1,147	1,240	1,221	1,293	1,252
Ohio	469	436	476	471	487	466
Oregon	217	208	227	222	230	220
Pennsylvania	909	864	938	925	957	906
South Dakota	212	200	215	210	218	209
Texas	835	826	915	909	928	884
Utah	173	159	176	173	181	179
Vermont	230	217	234	228	237	229
Virginia	150	142	154	150	153	143
Washington	555	532	572	555	572	553
Wisconsin	2,515	2,374	2,560	2,513	2,641	2,537
23-State total	16,553	15,821	17,227	16,820	17,442	16,660
United States ¹	17,679	16,898	18,399	17,952	18,612	17,773

State	July	August	September	October	November	December	Annual total ²
	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)
Arizona	380	370	358	380	396	427	4,837
California	3,379	3,289	3,173	3,305	3,215	3,380	40,469
Colorado	339	340	324	333	328	338	3,925
Florida	199	190	174	177	193	210	2,495
Idaho	1,297	1,291	1,225	1,237	1,180	1,209	14,665
Illinois	156	152	149	152	152	161	1,912
Indiana	344	344	332	346	338	350	4,153
Iowa	425	422	402	420	410	426	5,034
Kansas	273	278	270	283	282	289	3,329
Michigan	932	920	880	903	882	910	10,876
Minnesota	815	806	770	793	779	816	9,666
New Mexico	651	661	625	650	640	668	7,711
New York	1,271	1,249	1,209	1,240	1,194	1,246	14,777
Ohio	471	457	442	460	449	464	5,548
Oregon	223	218	211	210	200	207	2,593
Pennsylvania	912	886	859	892	861	911	10,820
South Dakota	215	216	207	215	211	218	2,546
Texas	893	919	868	924	919	953	10,773
Utah	177	176	173	178	173	177	2,095
Vermont	230	227	220	226	219	230	2,727
Virginia	141	137	135	139	135	144	1,723
Washington	572	568	546	551	527	547	6,650
Wisconsin	2,569	2,543	2,439	2,490	2,422	2,507	30,110
23-State total	16,864	16,659	15,991	16,504	16,105	16,788	199,434
United States ¹	17,902	17,684	16,977	17,550	17,126	17,853	212,405

¹ United States monthly estimates are derived by proportionally allocating the quarterly estimates using the 23-state monthly total.

² Total milk production for year.

Milk Production by Month – 23 Selected States, 23 State Total, and United States: 2017

[Excludes milk sucked by calves]

State	January	February	March	April	May	June
	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)
Arizona	425	410	462	450	457	424
California	3,413	3,124	3,501	3,440	3,515	3,288
Colorado	337	313	353	344	352	347
Florida	226	213	239	227	231	214
Idaho	1,197	1,073	1,207	1,192	1,278	1,256
Illinois	164	153	173	168	173	160
Indiana	359	331	371	364	384	356
Iowa	430	395	442	433	446	429
Kansas	292	273	311	297	290	282
Michigan	931	863	963	948	989	948
Minnesota	830	764	851	831	858	827
New Mexico	679	637	726	705	727	696
New York	1,261	1,155	1,278	1,268	1,323	1,254
Ohio	469	430	489	481	499	468
Oregon	209	193	220	214	222	216
Pennsylvania	927	858	966	948	974	906
South Dakota	220	201	224	217	224	217
Texas	995	928	1,065	1,025	1,064	1,017
Utah	175	159	183	182	194	190
Vermont	233	212	235	230	239	228
Virginia	148	138	156	154	154	141
Washington	539	492	551	543	568	553
Wisconsin	2,534	2,330	2,598	2,539	2,622	2,530
23-State total	16,993	15,645	17,564	17,200	17,783	16,947
United States ¹	18,128	16,694	18,740	18,332	18,952	18,060

State	July	August	September	October	November	December	Annual total ²
	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(million pounds)
Arizona	403	386	373	392	400	428	5,010
California	3,372	3,265	3,071	3,259	3,181	3,369	39,798
Colorado	361	362	346	355	350	369	4,189
Florida	204	193	172	181	188	208	2,496
Idaho	1,298	1,299	1,221	1,227	1,173	1,206	14,627
Illinois	157	156	149	156	155	165	1,929
Indiana	350	350	340	357	347	355	4,264
Iowa	435	440	419	437	424	442	5,172
Kansas	290	292	286	294	288	301	3,496
Michigan	963	954	899	935	905	933	11,231
Minnesota	840	838	795	818	787	825	9,864
New Mexico	706	684	650	658	655	689	8,212
New York	1,276	1,257	1,201	1,236	1,184	1,219	14,912
Ohio	469	473	451	461	442	459	5,591
Oregon	218	213	206	209	201	208	2,529
Pennsylvania	908	906	869	893	872	911	10,938
South Dakota	225	226	215	219	210	220	2,618
Texas	1,025	1,004	955	973	973	1,030	12,054
Utah	195	195	185	187	182	188	2,215
Vermont	232	229	219	226	218	227	2,728
Virginia	140	140	137	142	140	146	1,736
Washington	569	564	538	547	521	541	6,526
Wisconsin	2,588	2,588	2,465	2,548	2,439	2,539	30,320
23-State total	17,224	17,014	16,162	16,710	16,235	16,978	202,455
United States ¹	18,268	18,049	17,156	17,769	17,260	18,058	215,466

¹ United States monthly estimates are derived by proportionally allocating the quarterly estimates using the 23-state monthly total.

² Total milk production for year.

Milk Cows and Production by Quarter – States and United States: 2016

[May not add due to rounding]

State	Milk cows ¹				Milk production ²			
	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(million pounds)	(million pounds)	(million pounds)	(million pounds)
Alabama	7.0	7.0	7.0	7.0	26.0	26.0	19.0	21.0
Alaska	0.3	0.3	0.3	0.3	0.8	0.9	0.9	0.9
Arizona	196.0	196.0	197.0	196.0	1,269.0	1,257.0	1,108.0	1,203.0
Arkansas	6.5	6.5	6.0	6.0	22.0	23.0	17.0	18.0
California	1,768.0	1,764.0	1,759.0	1,757.0	10,336.0	10,392.0	9,841.0	9,900.0
Colorado	148.0	149.0	153.0	154.0	953.0	970.0	1,003.0	999.0
Connecticut	19.0	19.0	19.0	19.0	104.0	105.0	100.0	100.0
Delaware	5.0	5.0	5.0	5.0	26.0	25.7	21.7	22.1
Florida	126.0	123.0	120.0	121.0	681.0	671.0	563.0	580.0
Georgia	85.0	85.0	83.0	83.0	493.0	483.0	415.0	439.0
Hawaii	2.4	2.5	2.4	2.4	8.5	9.7	8.3	8.4
Idaho	589.0	592.0	599.0	599.0	3,530.0	3,696.0	3,813.0	3,626.0
Illinois	94.0	94.0	94.0	93.0	492.0	498.0	457.0	465.0
Indiana	184.0	184.0	184.0	185.0	1,047.0	1,052.0	1,020.0	1,034.0
Iowa	211.0	213.0	214.0	215.0	1,246.0	1,283.0	1,249.0	1,256.0
Kansas	143.0	145.0	146.0	149.0	820.0	834.0	821.0	854.0
Kentucky	59.0	58.0	56.0	57.0	278.0	284.0	234.0	251.0
Louisiana	13.0	12.5	12.0	12.0	53.0	49.0	32.0	35.0
Maine	30.0	30.0	30.0	30.0	155.0	163.0	158.0	154.0
Maryland	48.0	48.0	47.0	47.0	247.0	246.0	230.0	234.0
Massachusetts	11.5	11.5	11.5	11.5	56.0	57.0	54.0	54.0
Michigan	414.0	418.0	421.0	423.0	2,669.0	2,780.0	2,732.0	2,695.0
Minnesota	460.0	461.0	462.0	461.0	2,420.0	2,467.0	2,391.0	2,388.0
Mississippi	10.0	10.0	9.5	9.5	42.0	40.0	30.0	32.0
Missouri	85.0	85.0	85.0	85.0	322.0	354.0	291.0	293.0
Montana	14.0	14.0	14.0	14.0	74.0	75.0	74.0	72.0
Nebraska	60.0	60.0	60.0	60.0	351.0	351.0	346.0	351.0
Nevada	29.0	30.0	30.0	30.0	161.0	164.0	166.0	169.0
New Hampshire ...	13.5	13.5	13.5	13.5	72.0	74.0	71.0	70.0
New Jersey	6.5	6.5	6.5	6.5	31.0	32.0	29.0	30.0
New Mexico	311.0	310.0	316.0	323.0	1,846.0	1,970.0	1,937.0	1,958.0
New York	620.0	620.0	620.0	620.0	3,602.0	3,766.0	3,729.0	3,680.0
North Carolina	47.0	47.0	45.0	45.0	253.0	252.0	227.0	233.0
North Dakota	16.0	16.0	16.0	16.0	83.0	88.0	87.0	86.0
Ohio	266.0	266.0	265.0	262.0	1,381.0	1,424.0	1,370.0	1,373.0
Oklahoma	38.0	38.0	36.0	35.0	187.0	185.0	155.0	165.0
Oregon	126.0	126.0	125.0	124.0	652.0	672.0	652.0	617.0
Pennsylvania	530.0	530.0	529.0	525.0	2,711.0	2,788.0	2,657.0	2,664.0
Rhode Island	0.8	0.8	0.8	0.8	3.7	3.7	3.5	3.2
South Carolina	15.0	15.0	14.5	15.0	69.0	68.0	54.0	59.0
South Dakota	113.0	114.0	115.0	116.0	627.0	637.0	638.0	644.0
Tennessee	44.0	43.0	41.0	41.0	187.0	185.0	159.0	165.0
Texas	457.0	470.0	483.0	490.0	2,576.0	2,721.0	2,680.0	2,796.0
Utah	93.0	91.0	90.0	92.0	508.0	533.0	526.0	528.0
Vermont	131.0	131.0	130.0	129.0	681.0	694.0	677.0	675.0
Virginia	91.0	90.0	89.0	88.0	446.0	446.0	413.0	418.0
Washington	277.0	275.0	275.0	275.0	1,659.0	1,680.0	1,686.0	1,625.0
West Virginia	9.0	9.0	8.0	8.0	36.0	36.0	31.0	31.0
Wisconsin	1,280.0	1,279.0	1,278.0	1,278.0	7,449.0	7,691.0	7,551.0	7,419.0
Wyoming	6.0	6.0	6.0	6.0	34.4	34.6	35.1	35.7
United States	9,309.0	9,320.0	9,329.0	9,341.0	52,976.0	54,337.0	52,563.0	52,529.0

¹ Quarterly average includes dry cows, excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production by Quarter – States and United States: 2017

[May not add due to rounding]

State	Milk cows ¹				Milk production ²			
	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(million pounds)	(million pounds)	(million pounds)	(million pounds)
Alabama	6.5	6.5	6.0	6.0	26.0	26.0	18.0	19.0
Alaska	0.3	0.3	0.3	0.3	0.9	0.7	0.6	0.7
Arizona	200.0	204.0	204.0	204.0	1,297.0	1,331.0	1,162.0	1,220.0
Arkansas	6.0	6.0	6.0	6.0	22.0	22.0	17.0	18.0
California	1,755.0	1,752.0	1,746.0	1,742.0	10,038.0	10,243.0	9,708.0	9,809.0
Colorado	156.0	159.0	161.0	164.0	1,003.0	1,043.0	1,069.0	1,074.0
Connecticut	19.0	18.5	18.5	19.0	104.0	106.0	102.0	108.0
Delaware	5.0	5.0	5.0	5.0	24.8	24.3	21.2	22.5
Florida	123.0	124.0	124.0	124.0	678.0	672.0	569.0	577.0
Georgia	84.0	84.0	84.0	85.0	502.0	488.0	416.0	434.0
Hawaii	2.4	2.3	2.2	2.1	9.4	10.7	9.8	9.0
Idaho	597.0	599.0	602.0	600.0	3,477.0	3,726.0	3,818.0	3,606.0
Illinois	93.0	93.0	93.0	93.0	490.0	501.0	462.0	476.0
Indiana	186.0	187.0	187.0	187.0	1,061.0	1,104.0	1,040.0	1,059.0
Iowa	216.0	217.0	218.0	219.0	1,267.0	1,308.0	1,294.0	1,303.0
Kansas	152.0	151.0	152.0	153.0	876.0	869.0	868.0	883.0
Kentucky	56.0	56.0	55.0	56.0	271.0	277.0	236.0	257.0
Louisiana	12.0	12.0	12.0	12.0	47.0	44.0	32.0	37.0
Maine	30.0	30.0	30.0	30.0	155.0	163.0	159.0	153.0
Maryland	47.0	48.0	48.0	47.0	247.0	247.0	226.0	233.0
Massachusetts	11.5	11.5	11.5	11.5	54.0	55.0	52.0	50.0
Michigan	425.0	427.0	428.0	428.0	2,757.0	2,885.0	2,816.0	2,773.0
Minnesota	460.0	459.0	458.0	456.0	2,445.0	2,516.0	2,473.0	2,430.0
Mississippi	9.0	9.0	9.0	9.0	40.0	38.0	29.0	30.0
Missouri	85.0	85.0	85.0	84.0	318.0	344.0	286.0	292.0
Montana	13.5	13.5	13.5	13.0	71.0	73.0	73.0	71.0
Nebraska	60.0	60.0	60.0	60.0	355.0	362.0	361.0	366.0
Nevada	31.0	32.0	32.0	32.0	165.0	181.0	182.0	181.0
New Hampshire ...	13.5	13.5	13.0	12.5	72.0	72.0	65.0	64.0
New Jersey	6.5	6.5	6.0	6.0	31.0	31.0	28.0	29.0
New Mexico	326.0	330.0	331.0	330.0	2,042.0	2,128.0	2,040.0	2,002.0
New York	621.0	624.0	624.0	625.0	3,694.0	3,845.0	3,734.0	3,639.0
North Carolina	45.0	45.0	44.0	45.0	251.0	247.0	220.0	234.0
North Dakota	15.5	16.0	16.0	15.5	83.0	89.0	88.0	85.0
Ohio	262.0	262.0	263.0	264.0	1,388.0	1,448.0	1,393.0	1,362.0
Oklahoma	38.0	39.0	39.0	39.0	188.0	192.0	170.0	178.0
Oregon	124.0	124.0	123.0	124.0	622.0	652.0	637.0	618.0
Pennsylvania	525.0	525.0	525.0	525.0	2,751.0	2,828.0	2,683.0	2,676.0
Rhode Island	0.8	0.8	0.8	0.8	3.1	3.3	3.4	3.2
South Carolina	15.0	15.0	14.5	15.0	68.0	66.0	54.0	59.0
South Dakota	117.0	117.0	118.0	117.0	645.0	658.0	666.0	649.0
Tennessee	41.0	40.0	39.0	40.0	184.0	183.0	158.0	168.0
Texas	500.0	513.0	515.0	515.0	2,988.0	3,106.0	2,984.0	2,976.0
Utah	93.0	95.0	97.0	97.0	517.0	566.0	575.0	557.0
Vermont	129.0	129.0	129.0	128.0	680.0	697.0	680.0	671.0
Virginia	87.0	87.0	87.0	87.0	442.0	449.0	417.0	428.0
Washington	274.0	273.0	275.0	274.0	1,582.0	1,664.0	1,671.0	1,609.0
West Virginia	8.0	8.0	7.5	7.0	33.0	34.0	31.0	29.0
Wisconsin	1,280.0	1,279.0	1,278.0	1,277.0	7,462.0	7,691.0	7,641.0	7,526.0
Wyoming	6.0	6.0	6.0	6.0	34.8	34.8	34.7	33.9
United States	9,369.0	9,399.0	9,402.0	9,398.0	53,562.0	55,344.0	53,473.0	53,087.0

¹ Quarterly average includes dry cows, excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Licensed Dairy Herds – States and United States: 2016 and 2017

	Licensed dairy herds ¹	
	2016 (number)	2017 (number)
Alabama	35	35
Alaska	2	2
Arizona	110	100
Arkansas	60	55
California	1,420	1,390
Colorado	120	120
Connecticut	120	110
Delaware	35	30
Florida	120	110
Georgia	210	180
Hawaii	2	2
Idaho	520	510
Illinois	640	630
Indiana	1,145	1,070
Iowa	1,265	1,200
Kansas	290	290
Kentucky	630	600
Louisiana	100	95
Maine	250	250
Maryland	420	400
Massachusetts	140	140
Michigan	1,810	1,750
Minnesota	3,350	3,210
Mississippi	75	70
Missouri	1,100	1,040
Montana	65	65
Nebraska	175	155
Nevada	20	20
New Hampshire	120	110
New Jersey	60	55
New Mexico	150	150
New York	4,650	4,490
North Carolina	210	190
North Dakota	85	80
Ohio	2,560	2,380
Oklahoma	160	160
Oregon	230	230
Pennsylvania ²	6,650	6,570
Rhode Island	10	10
South Carolina	60	60
South Dakota	235	225
Tennessee	300	270
Texas	400	400
Utah	180	180
Vermont	830	820
Virginia	615	585
Washington	480	450
West Virginia	75	75
Wisconsin	9,520	9,090
Wyoming	10	10
United States	41,819	40,219

¹ Average number of dairy farms licensed to sell milk, based on counts collected from State and other regulatory agencies.

² Licensed dairy herd estimates based on brucellosis test counts provided by the Pennsylvania Department of Agriculture.

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 23 State milk production estimates over the past 24 months 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 17.3 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 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	0.1	0.2	19	1	48	15	9
All Milk cows	0.1	0.1	4	0	10	12	11

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.

Travis Averill, Chief, Livestock Branch	(202) 720-3570
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 720-3240
Donnie Fike – Dairy Products	(202) 690-3236
Heidi Gleich – Cattle, Cattle on Feed	(202) 720-3040
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Seth Riggins – Hogs and Pigs	(202) 720-3106
Vacant – Sheep and Goats	(202) 720-0585

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and 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.

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USDA NASS Data Users' Meeting
Tuesday, April 24, 2018

University of Chicago – Gleacher Center
450 North Cityfront Plaza Drive
Chicago, Illinois 60611
312-464-8787

USDA's National Agricultural Statistics Service will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2018 Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website (https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php). Or contact Tina Hall (NASS) at 202-720-3896 or at tina.hall@nass.usda.gov or Patricia Snipe (NASS) at 202-720-2248 or at patricia.snipe@nass.usda.gov.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, April 25, 2018. The outlook meeting brings together analysts from various commodity sectors to discuss developments and trends. For registration details or additional information about the Industry Outlook Conference, see the conference page on the LMIC website (<http://lmic.info/page/meetings>) or contact James Robb at 303-716-9933.