



Milk Production

ISSN: 1949-1557

Released February 21, 2017, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

January Milk Production up 2.7 Percent

Milk production in the 23 major States during January totaled 17.0 billion pounds, up 2.7 percent from January 2016. December revised production, at 16.8 billion pounds, was up 2.6 percent from December 2015. The December revision represented a decrease of 2 million pounds or less than 0.1 percent from last month's preliminary production estimate.

Production per cow in the 23 major States averaged 1,957 pounds for January, 37 pounds above January 2016. 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 8.69 million head, 67,000 head more than January 2016, and 5,000 head more than December 2016.

2016 Annual Milk Production up 1.8 Percent from 2015

The annual production of milk for the United States during 2016 was 212 billion pounds, 1.8 percent above 2015. Revisions to 2015 production decreased the annual total 36 million pounds. Revised 2016 production was down 76 million pounds from last month's publication. Annual total milk production has increased 14.4 percent from 2007.

Production per cow in the United States averaged 22,774 pounds for 2016, 378 pounds above 2015. The average annual rate of milk production per cow has increased 12.7 percent from 2007.

The average number of milk cows on farms in the United States during 2016 was 9.33 million head, up 0.2 percent from 2015. The average number of milk cows was revised down 5,000 head for 2016. The average annual number of milk cows has increased 1.5 percent from 2007.

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Milk Cows and Production by Quarter – United States: 2016-2017

[May not add due to rounding]

Quarter	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)
January-March	9,312		5,691		52,998		
April-June	9,323		5,828		54,331		
July-September	9,331		5,636		52,590		
October-December	9,344		5,620		52,517		
Annual	9,328		22,774		212,436		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production By Month – 23 Selected States: 2016-2017

Month	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)
January	8,621	8,688	1,920	1,957	16,553	16,999	2.7
February	8,628		1,833		15,817		
March	8,637		1,994		17,222		
April	8,638		1,947		16,817		
May	8,641		2,019		17,442		
June	8,648		1,926		16,654		
July	8,658		1,948		16,863		
August	8,666		1,922		16,659		
September	8,664		1,845		15,989		
October	8,668		1,904		16,503		
November	8,675		1,852		16,066		
December	8,683		1,932		16,777		
Annual	8,652		23,042		199,362		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Estimated Milk Cows and Production By Month – United States: 2016-2017

Month	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)
January	9,304	9,360	1,902	1,937	17,693	18,127	2.5
February	9,311		1,815		16,904		
March	9,321		1,974		18,401		
April	9,321		1,925		17,947		
May	9,322		1,997		18,613		
June	9,326		1,906		17,771		
July	9,329		1,920		17,908		
August	9,334		1,895		17,692		
September	9,331		1,821		16,990		
October	9,335		1,882		17,565		
November	9,344		1,830		17,100		
December	9,354		1,908		17,852		
Annual	9,328		22,774		212,436		

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Cows and Production – 23 Selected States: January 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)
Arizona	195	196	2,110	2,110	411	414	0.7
California	1,769	1,755	1,940	1,945	3,432	3,413	-0.6
Colorado	148	155	2,160	2,200	320	341	6.6
Florida	126	122	1,810	1,845	228	225	-1.3
Idaho	588	600	2,005	1,985	1,179	1,191	1.0
Illinois	94	93	1,745	1,765	164	164	-
Indiana	184	186	1,915	1,930	352	359	2.0
Iowa	210	215	1,985	2,015	417	433	3.8
Kansas	142	151	1,905	1,950	271	294	8.5
Michigan	413	425	2,170	2,180	896	927	3.5
Minnesota	460	460	1,770	1,800	814	828	1.7
New Mexico	310	325	1,900	2,090	589	679	15.3
New York	620	621	1,960	2,030	1,215	1,261	3.8
Ohio	266	262	1,765	1,780	469	466	-0.6
Oregon	126	124	1,720	1,700	217	211	-2.8
Pennsylvania	530	525	1,715	1,765	909	927	2.0
South Dakota	112	116	1,890	1,875	212	218	2.8
Texas	455	494	1,835	2,015	835	995	19.2
Utah	94	92	1,845	1,925	173	177	2.3
Vermont	131	129	1,755	1,805	230	233	1.3
Virginia	91	87	1,645	1,710	150	149	-0.7
Washington	277	275	2,005	2,010	555	553	-0.4
Wisconsin	1,280	1,280	1,965	1,985	2,515	2,541	1.0
23-State Total	8,621	8,688	1,920	1,957	16,553	16,999	2.7

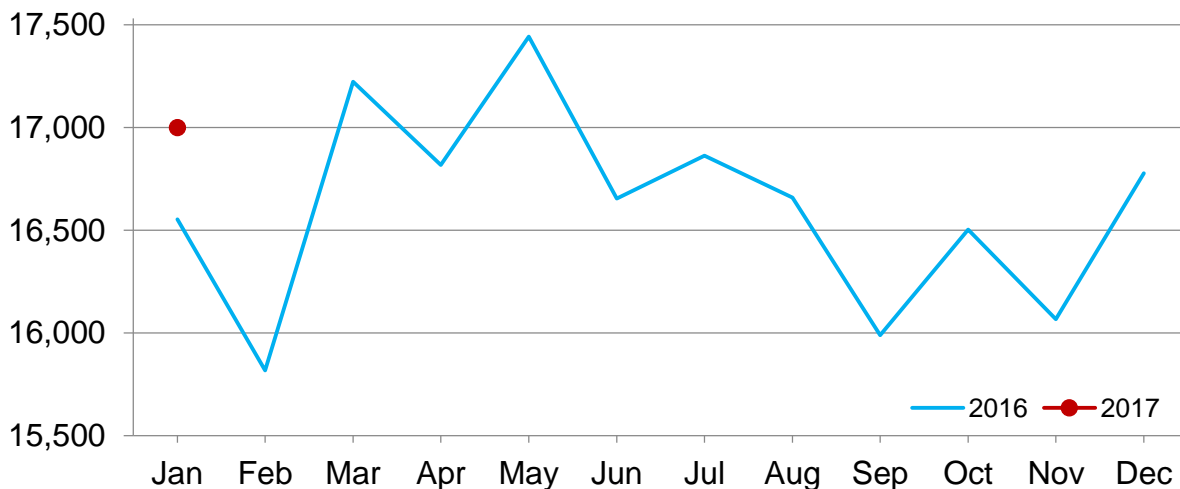
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¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Monthly Milk Production – 23 Selected States

Million pounds



Milk Cows and Production – 23 Selected States: December 2015 and 2016

State	Milk cows ¹		Milk per cow ²		Milk production ²		Change from 2015
	2015	2016	2015	2016	2015	2016	
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	194	196	2,060	2,050	400	402	0.5
California	1,770	1,756	1,900	1,925	3,363	3,380	0.5
Colorado	148	155	2,140	2,180	317	338	6.6
Florida	125	122	1,745	1,785	218	218	-
Idaho	587	600	1,985	2,015	1,165	1,209	3.8
Illinois	94	93	1,740	1,720	164	160	-2.4
Indiana	184	185	1,865	1,890	343	350	2.0
Iowa	210	215	1,945	1,980	408	426	4.4
Kansas	142	150	1,830	1,925	260	289	11.2
Michigan	412	425	2,145	2,140	884	910	2.9
Minnesota	460	461	1,745	1,770	803	816	1.6
New Mexico	319	325	1,955	2,055	624	668	7.1
New York	620	620	1,930	2,010	1,197	1,246	4.1
Ohio	266	262	1,720	1,750	458	459	0.2
Oregon	126	124	1,690	1,670	213	207	-2.8
Pennsylvania	530	525	1,685	1,735	893	911	2.0
South Dakota	110	116	1,900	1,875	209	218	4.3
Texas	461	490	1,850	1,945	853	953	11.7
Utah	95	92	1,875	1,920	178	177	-0.6
Vermont	131	129	1,725	1,775	226	229	1.3
Virginia	91	88	1,620	1,640	147	144	-2.0
Washington	277	275	1,980	1,990	548	547	-0.2
Wisconsin	1,280	1,279	1,935	1,970	2,477	2,520	1.7
23-State Total	8,632	8,683	1,894	1,932	16,348	16,777	2.6

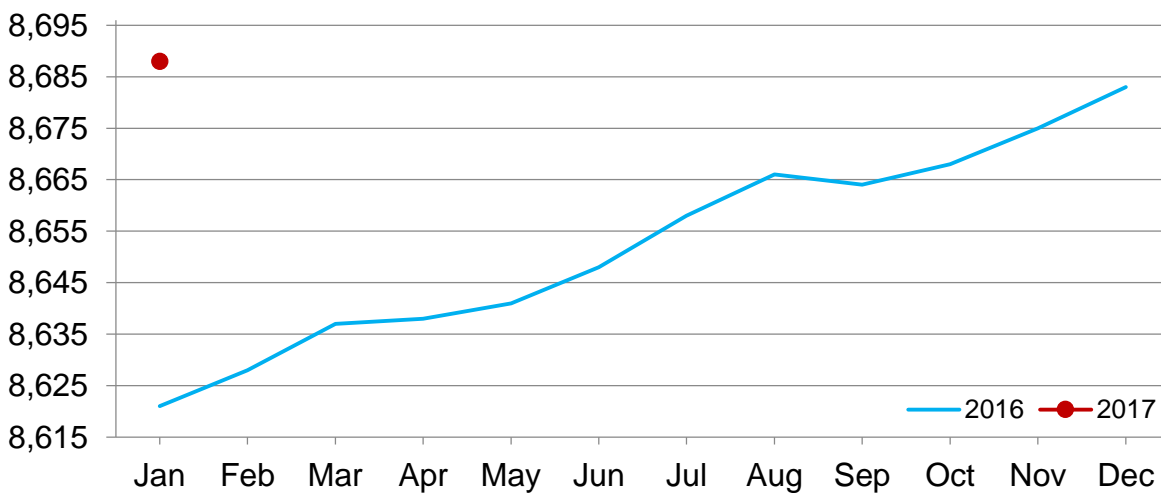
- Represents zero.

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: 2007-2016

[May not add due to rounding]

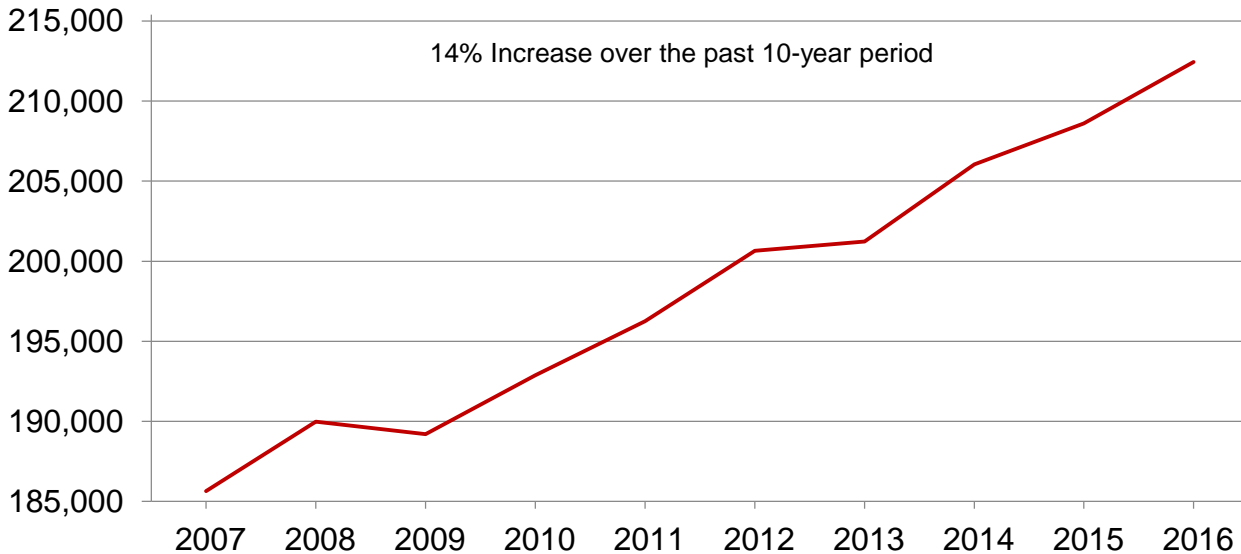
Year	Milk cows ¹ (1,000 head)	Production per cow ²		Milk production ²
		Milk (pounds)	Total (million pounds)	
2007	9,189	20,204	185,654	
2008	9,314	20,397	189,978	
2009	9,202	20,561	189,202	
2010	9,123	21,142	192,877	
2011	9,199	21,334	196,255	
2012	9,237	21,722	200,642	
2013	9,224	21,816	201,231	
2014	9,257	22,259	206,054	
2015	9,314	22,396	208,597	
2016	9,328	22,774	212,436	

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

² Excludes milk sucked by calves.

Milk Production – United States: 2007-2016

Million pounds



Milk Cows and Production – States and United States: 2015 and 2016

[May not add due to rounding.]

	Milk cows ¹		Milk per cow ²		Milk production ²		
	2015	2016	2015	2016	2015	2016	Change from 2015
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Alabama	8.0	7.0	12,625	13,143	101.0	92.0	-8.9
Alaska	0.3	0.3	11,667	11,667	3.5	3.5	-
Arizona	194.0	196.0	24,402	24,429	4,734.0	4,788.0	1.1
Arkansas	7.0	6.0	13,000	13,167	91.0	79.0	-13.2
California	1,776.0	1,762.0	23,028	22,968	40,897.0	40,469.0	-1.0
Colorado	146.0	151.0	25,733	25,980	3,757.0	3,923.0	4.4
Connecticut	19.0	19.0	20,842	21,474	396.0	408.0	3.0
Delaware	5.0	5.0	19,700	19,100	98.5	95.5	-3.0
Florida	125.0	123.0	20,656	20,350	2,582.0	2,503.0	-3.1
Georgia	83.0	84.0	21,651	21,786	1,797.0	1,830.0	1.8
Hawaii	2.2	2.4	15,909	14,542	35.0	34.9	-0.3
Idaho	585.0	595.0	24,126	24,647	14,114.0	14,665.0	3.9
Illinois	94.0	94.0	20,149	20,245	1,894.0	1,903.0	0.5
Indiana	182.0	184.0	22,115	22,560	4,025.0	4,151.0	3.1
Iowa	211.0	213.0	22,929	23,634	4,838.0	5,034.0	4.1
Kansas	143.0	146.0	22,210	22,801	3,176.0	3,329.0	4.8
Kentucky	61.0	58.0	17,656	18,069	1,077.0	1,048.0	-2.7
Louisiana	14.0	12.0	13,429	14,083	188.0	169.0	-10.1
Maine	30.0	30.0	19,800	21,000	594.0	630.0	6.1
Maryland	49.0	48.0	20,061	19,917	983.0	956.0	-2.7
Massachusetts ..	12.0	12.0	18,083	17,917	217.0	215.0	-0.9
Michigan	408.0	419.0	25,150	25,957	10,261.0	10,876.0	6.0
Minnesota	460.0	461.0	20,570	20,967	9,462.0	9,666.0	2.2
Mississippi	11.0	10.0	15,000	14,400	165.0	144.0	-12.7
Missouri	88.0	88.0	15,511	15,602	1,365.0	1,373.0	0.6
Montana	14.0	14.0	21,357	21,071	299.0	295.0	-1.3
Nebraska	57.0	60.0	22,930	23,317	1,307.0	1,399.0	7.0
Nevada	29.0	30.0	23,069	22,000	669.0	660.0	-1.3
New Hampshire ..	14.0	14.0	20,143	20,286	282.0	284.0	0.7
New Jersey	7.0	7.0	18,143	17,429	127.0	122.0	-3.9
New Mexico	323.0	315.0	24,245	24,479	7,831.0	7,711.0	-1.5
New York	618.0	620.0	22,806	23,815	14,094.0	14,765.0	4.8
North Carolina ..	47.0	46.0	20,957	20,978	985.0	965.0	-2.0
North Dakota	16.0	16.0	20,750	21,563	332.0	345.0	3.9
Ohio	267.0	265.0	20,573	20,875	5,493.0	5,532.0	0.7
Oklahoma	39.0	37.0	18,641	18,703	727.0	692.0	-4.8
Oregon	125.0	125.0	20,408	20,744	2,551.0	2,593.0	1.6
Pennsylvania	530.0	529.0	20,377	20,454	10,800.0	10,820.0	0.2
Rhode Island	0.9	0.8	17,667	17,500	15.9	14.0	-11.9
South Carolina ..	15.0	15.0	17,400	16,667	261.0	250.0	-4.2
South Dakota	106.0	115.0	22,255	22,139	2,359.0	2,546.0	7.9
Tennessee	45.0	42.0	16,489	16,571	742.0	696.0	-6.2
Texas	463.0	475.0	22,248	22,680	10,301.0	10,773.0	4.6
Utah	96.0	92.0	23,125	22,772	2,220.0	2,095.0	-5.6
Vermont	132.0	130.0	20,197	20,954	2,666.0	2,724.0	2.2
Virginia	91.0	90.0	19,462	19,144	1,771.0	1,723.0	-2.7
Washington	277.0	276.0	23,848	24,094	6,606.0	6,650.0	0.7
West Virginia	9.0	9.0	15,667	14,889	141.0	134.0	-5.0
Wisconsin	1,279.0	1,279.0	22,697	23,552	29,030.0	30,123.0	3.8
Wyoming	6.0	6.0	22,567	23,300	135.4	139.8	3.2
United States	9,314.0	9,328.0	22,396	22,774	208,597.0	212,436.0	1.8

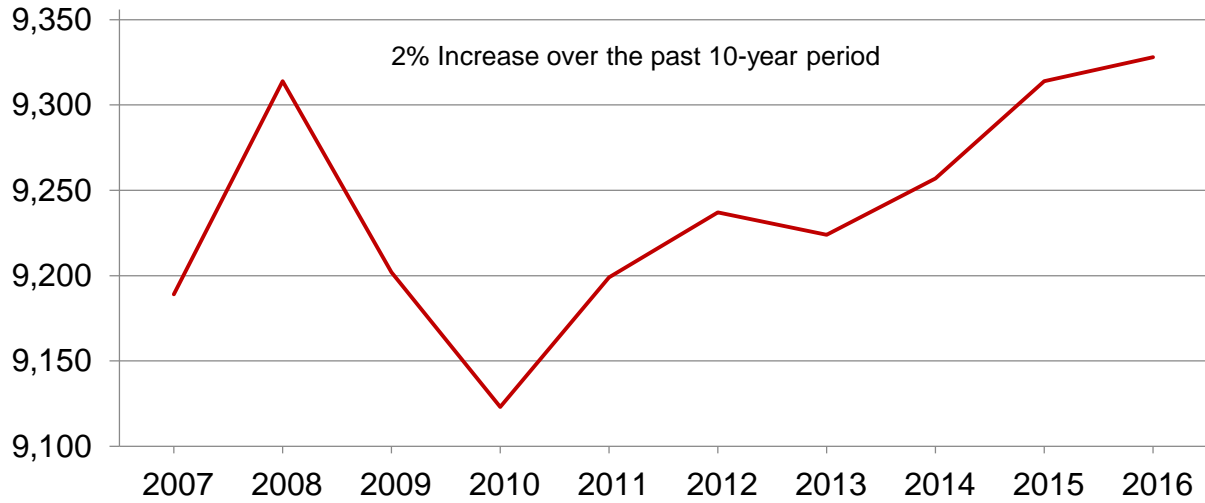
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¹ Average number during year, excluding heifers not yet fresh.

² Excludes milk sucked by calves.

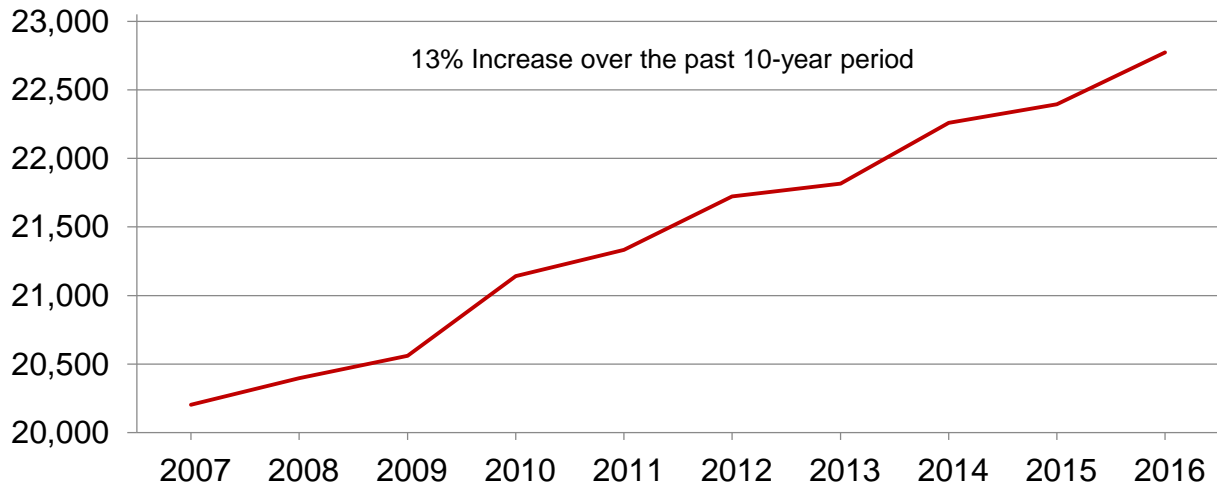
Milk Cows – United States: 2007-2016

Thousand head



Rate per Cow – United States: 2007-2016

Pounds



Milk Cows by Month – 23 Selected States, 23 State Total, and United States: 2015

[Includes dry cows, excludes heifers not yet fresh]

State	January (1,000 head)	February (1,000 head)	March (1,000 head)	April (1,000 head)	May (1,000 head)	June (1,000 head)
Arizona	195	195	195	195	195	195
California	1,780	1,779	1,778	1,777	1,777	1,777
Colorado	145	145	145	145	145	145
Florida	124	124	125	125	125	125
Idaho	580	581	583	585	586	586
Illinois	95	95	95	95	95	94
Indiana	181	181	181	181	181	181
Iowa	211	211	211	212	212	212
Kansas	143	143	144	144	144	143
Michigan	403	403	403	404	407	408
Minnesota	460	460	460	460	460	460
New Mexico	323	323	323	323	323	323
New York	616	616	617	617	618	618
Ohio	268	268	268	268	267	266
Oregon	125	125	125	125	124	124
Pennsylvania	530	530	530	530	530	530
South Dakota	100	101	102	103	105	106
Texas	470	468	464	462	462	462
Utah	96	96	96	96	96	96
Vermont	132	132	132	131	132	132
Virginia	93	93	92	92	92	91
Washington	277	277	277	277	276	275
Wisconsin	1,275	1,275	1,276	1,278	1,280	1,280
23-State total	8,622	8,621	8,622	8,625	8,632	8,629
United States ¹	9,308	9,308	9,311	9,315	9,323	9,321

State	July (1,000 head)	August (1,000 head)	September (1,000 head)	October (1,000 head)	November (1,000 head)	December (1,000 head)	Annual average ² (1,000 head)
Arizona	195	194	193	193	194	194	194
California	1,777	1,776	1,774	1,773	1,771	1,770	1,776
Colorado	145	145	145	146	147	148	146
Florida	125	125	125	125	125	125	125
Idaho	586	586	587	587	587	587	585
Illinois	94	94	94	94	94	94	94
Indiana	181	181	183	183	184	184	182
Iowa	211	211	210	210	210	210	211
Kansas	143	143	143	142	142	142	143
Michigan	409	410	410	410	411	412	408
Minnesota	460	460	460	460	460	460	460
New Mexico	323	323	323	323	322	319	323
New York	619	619	620	620	620	620	618
Ohio	266	266	266	266	266	266	267
Oregon	122	123	125	126	126	126	125
Pennsylvania	530	530	530	530	530	530	530
South Dakota	107	107	108	109	110	110	106
Texas	462	462	462	462	462	461	463
Utah	96	95	95	95	95	95	96
Vermont	132	132	131	131	131	131	132
Virginia	91	91	90	90	90	91	91
Washington	275	276	277	277	277	277	277
Wisconsin	1,280	1,280	1,279	1,279	1,280	1,280	1,279
23-State Total	8,629	8,629	8,630	8,631	8,634	8,632	8,628
United States ¹	9,311	9,311	9,312	9,314	9,317	9,315	9,314

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: 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	9,304	9,311	9,321	9,321	9,322	9,326

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	152	152	152	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	8,658	8,666	8,664	8,668	8,675	8,683	8,652
United States ¹	9,329	9,334	9,331	9,335	9,344	9,354	9,328

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: 2015

[Excludes milk sucked by calves]

State	January	February	March	April	May	June
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Arizona	2,135	1,990	2,265	2,200	2,210	2,045
California	1,985	1,845	2,080	2,030	2,055	1,910
Colorado	2,140	1,970	2,190	2,170	2,205	2,140
Florida	1,875	1,780	1,960	1,895	1,920	1,790
Idaho	1,990	1,810	2,035	2,005	2,105	2,040
Illinois	1,725	1,590	1,770	1,760	1,810	1,690
Indiana	1,890	1,705	1,895	1,875	1,960	1,825
Iowa	1,995	1,775	1,965	1,940	2,015	1,910
Kansas	1,890	1,740	1,970	1,945	1,965	1,810
Michigan	2,100	1,900	2,130	2,100	2,195	2,135
Minnesota	1,745	1,590	1,760	1,720	1,795	1,730
New Mexico	2,070	1,880	2,125	2,105	2,190	2,035
New York	1,905	1,715	1,905	1,875	1,990	1,940
Ohio	1,750	1,570	1,745	1,730	1,815	1,730
Oregon	1,680	1,570	1,785	1,735	1,800	1,735
Pennsylvania	1,730	1,585	1,770	1,745	1,815	1,715
South Dakota	1,880	1,700	1,890	1,840	1,905	1,860
Texas	1,910	1,745	1,925	1,940	1,975	1,835
Utah	1,965	1,770	1,990	1,950	2,030	1,990
Vermont	1,710	1,545	1,720	1,695	1,775	1,710
Virginia	1,650	1,500	1,685	1,680	1,730	1,620
Washington	2,005	1,830	2,055	2,020	2,090	2,010
Wisconsin	1,890	1,715	1,905	1,875	1,975	1,915
23-State total	1,919	1,755	1,962	1,930	1,998	1,900
United States ¹	1,901	1,737	1,942	1,910	1,977	1,878

State	July	August	September	October	November	December	Annual average
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Arizona	1,985	1,860	1,770	1,905	1,910	2,060	24,402
California	1,915	1,880	1,790	1,830	1,810	1,900	23,028
Colorado	2,220	2,210	2,150	2,190	2,090	2,140	25,733
Florida	1,715	1,555	1,450	1,470	1,530	1,745	20,656
Idaho	2,095	2,090	1,995	2,035	1,935	1,985	24,126
Illinois	1,650	1,600	1,520	1,610	1,600	1,740	20,149
Indiana	1,850	1,860	1,780	1,830	1,800	1,865	22,115
Iowa	1,915	1,915	1,810	1,900	1,850	1,945	22,929
Kansas	1,845	1,840	1,760	1,840	1,770	1,830	22,210
Michigan	2,170	2,140	2,015	2,100	2,050	2,145	25,150
Minnesota	1,760	1,730	1,635	1,695	1,660	1,745	20,570
New Mexico	2,040	2,010	1,960	1,990	1,915	1,955	24,245
New York	1,970	1,945	1,860	1,910	1,850	1,930	22,806
Ohio	1,770	1,750	1,660	1,705	1,635	1,720	20,573
Oregon	1,745	1,740	1,685	1,685	1,620	1,690	20,408
Pennsylvania	1,735	1,705	1,615	1,660	1,615	1,685	20,377
South Dakota	1,895	1,915	1,825	1,890	1,810	1,900	22,255
Texas	1,850	1,790	1,785	1,845	1,785	1,850	22,248
Utah	2,010	2,010	1,890	1,920	1,820	1,875	23,125
Vermont	1,740	1,700	1,625	1,670	1,640	1,725	20,197
Virginia	1,630	1,595	1,545	1,595	1,545	1,620	19,462
Washington	2,035	2,050	1,935	1,975	1,905	1,980	23,848
Wisconsin	1,960	1,940	1,845	1,905	1,845	1,935	22,697
23-State total	1,923	1,894	1,808	1,861	1,811	1,894	22,655
United States ¹	1,897	1,869	1,784	1,839	1,791	1,872	22,396

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: 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	2,210	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	1,670
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	1,845	1,995	1,965	2,085	2,015
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	1,650	1,780	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	1,833	1,994	1,947	2,019	1,926
United States ¹	1,902	1,815	1,974	1,925	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	1,900	2,050	24,429
California	1,920	1,870	1,805	1,880	1,830	1,925	22,968
Colorado	2,225	2,235	2,130	2,175	2,130	2,180	25,980
Florida	1,645	1,585	1,450	1,475	1,595	1,785	20,350
Idaho	2,165	2,155	2,045	2,065	1,970	2,015	24,647
Illinois	1,660	1,615	1,560	1,620	1,610	1,720	20,245
Indiana	1,870	1,870	1,805	1,880	1,815	1,890	22,560
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	23,815
Ohio	1,770	1,730	1,675	1,750	1,670	1,750	20,875
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	1,775	20,954
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	1,970	23,552
23-State total	1,948	1,922	1,845	1,904	1,852	1,932	23,042
United States ¹	1,920	1,895	1,821	1,882	1,830	1,908	22,774

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: 2015

[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	416	388	442	429	431	399
California	3,533	3,282	3,698	3,607	3,652	3,394
Colorado	310	286	318	315	320	310
Florida	233	221	245	237	240	224
Idaho	1,154	1,052	1,186	1,173	1,234	1,195
Illinois	164	151	168	167	172	159
Indiana	342	309	343	339	355	330
Iowa	421	375	415	411	427	405
Kansas	270	249	284	280	283	259
Michigan	846	766	858	848	893	871
Minnesota	803	731	810	791	826	796
New Mexico	669	607	686	680	707	657
New York	1,173	1,056	1,175	1,157	1,230	1,199
Ohio	469	421	468	464	485	460
Oregon	210	196	223	217	223	215
Pennsylvania	917	840	938	925	962	909
South Dakota	188	172	193	190	200	197
Texas	898	817	893	896	912	848
Utah	189	170	191	187	195	191
Vermont	226	204	227	222	234	226
Virginia	153	140	155	155	159	147
Washington	555	507	569	560	577	553
Wisconsin	2,410	2,187	2,431	2,396	2,528	2,451
23-State total	16,549	15,127	16,916	16,646	17,245	16,395
United States ¹	17,690	16,170	18,085	17,795	18,428	17,503

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	387	361	342	368	371	400	4,734
California	3,403	3,339	3,175	3,245	3,206	3,363	40,897
Colorado	322	320	312	320	307	317	3,757
Florida	214	194	181	184	191	218	2,582
Idaho	1,228	1,225	1,171	1,195	1,136	1,165	14,114
Illinois	155	150	143	151	150	164	1,894
Indiana	335	337	326	335	331	343	4,025
Iowa	404	404	380	399	389	408	4,838
Kansas	264	263	252	261	251	260	3,176
Michigan	888	877	826	861	843	884	10,261
Minnesota	810	796	752	780	764	803	9,462
New Mexico	659	649	633	643	617	624	7,831
New York	1,219	1,204	1,153	1,184	1,147	1,197	14,094
Ohio	471	466	442	454	435	458	5,493
Oregon	213	214	211	212	204	213	2,551
Pennsylvania	920	904	856	880	856	893	10,800
South Dakota	203	205	197	206	199	209	2,359
Texas	855	827	825	852	825	853	10,301
Utah	193	191	180	182	173	178	2,220
Vermont	230	224	213	219	215	226	2,666
Virginia	148	145	139	144	139	147	1,771
Washington	560	566	536	547	528	548	6,606
Wisconsin	2,509	2,483	2,360	2,436	2,362	2,477	29,030
23-State total	16,590	16,344	15,605	16,058	15,639	16,348	195,462
United States ¹	17,663	17,400	16,614	17,128	16,683	17,438	208,597

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: 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	329	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	157
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	1,144	1,237	1,218	1,293	1,249
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	216	233	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	15,817	17,222	16,817	17,442	16,654
United States ¹	17,693	16,904	18,401	17,947	18,613	17,771

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	372	402	4,788
California	3,379	3,289	3,173	3,305	3,215	3,380	40,469
Colorado	338	340	324	333	328	338	3,923
Florida	199	190	174	177	193	218	2,503
Idaho	1,297	1,291	1,225	1,237	1,180	1,209	14,665
Illinois	156	152	147	151	150	160	1,903
Indiana	344	344	332	346	336	350	4,151
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	14,765
Ohio	471	457	442	460	438	459	5,532
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	229	2,724
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	2,520	30,123
23-State total	16,863	16,659	15,989	16,503	16,066	16,777	199,362
United States ¹	17,908	17,692	16,990	17,565	17,100	17,852	212,436

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: 2015

[May not add due to rounding]

State	Milk cows ¹				Milk production ²			
	Jan-Mar (1,000 head)	Apr-Jun (1,000 head)	Jul-Sep (1,000 head)	Oct-Dec (1,000 head)	Jan-Mar (million pounds)	Apr-Jun (million pounds)	Jul-Sep (million pounds)	Oct-Dec (million pounds)
Alabama	8.0	8.0	7.5	7.0	29.0	28.0	21.0	23.0
Alaska	0.3	0.3	0.3	0.3	0.9	0.9	0.9	0.8
Arizona	195.0	195.0	194.0	194.0	1,246.0	1,259.0	1,090.0	1,139.0
Arkansas	7.0	7.0	7.0	7.0	25.0	26.0	20.0	20.0
California	1,779.0	1,777.0	1,776.0	1,771.0	10,513.0	10,653.0	9,917.0	9,814.0
Colorado	145.0	145.0	145.0	147.0	914.0	945.0	954.0	944.0
Connecticut	19.0	19.5	19.5	19.0	98.0	102.0	98.0	98.0
Delaware	5.0	5.0	5.0	5.0	26.0	25.9	23.0	23.6
Florida	124.0	125.0	125.0	125.0	699.0	701.0	589.0	593.0
Georgia	81.0	82.0	84.0	85.0	468.0	469.0	421.0	439.0
Hawaii	2.2	2.3	2.2	2.2	8.8	10.0	8.6	7.6
Idaho	581.0	586.0	586.0	587.0	3,392.0	3,602.0	3,624.0	3,496.0
Illinois	95.0	95.0	94.0	94.0	483.0	498.0	448.0	465.0
Indiana	181.0	181.0	182.0	184.0	994.0	1,024.0	998.0	1,009.0
Iowa	211.0	212.0	211.0	210.0	1,211.0	1,243.0	1,188.0	1,196.0
Kansas	143.0	144.0	143.0	142.0	803.0	822.0	779.0	772.0
Kentucky	63.0	62.0	60.0	60.0	280.0	289.0	249.0	259.0
Louisiana	14.0	14.0	13.0	13.0	58.0	52.0	37.0	41.0
Maine	30.0	30.0	30.0	30.0	144.0	150.0	151.0	149.0
Maryland	49.0	49.0	48.0	49.0	248.0	255.0	239.0	241.0
Massachusetts	12.0	12.0	12.0	12.0	54.0	56.0	54.0	53.0
Michigan	403.0	406.0	410.0	411.0	2,470.0	2,612.0	2,591.0	2,588.0
Minnesota	460.0	460.0	460.0	460.0	2,344.0	2,413.0	2,358.0	2,347.0
Mississippi	12.0	12.0	10.5	10.0	53.0	47.0	31.0	34.0
Missouri	89.0	88.0	88.0	88.0	345.0	370.0	324.0	326.0
Montana	14.0	14.0	14.0	14.0	74.0	77.0	75.0	73.0
Nebraska	55.0	56.0	57.0	58.0	315.0	328.0	323.0	341.0
Nevada	28.0	29.0	29.0	28.0	158.0	168.0	173.0	170.0
New Hampshire	14.0	14.0	14.0	14.0	70.0	72.0	70.0	70.0
New Jersey	7.0	7.0	7.0	7.0	33.0	33.0	31.0	30.0
New Mexico	323.0	323.0	323.0	321.0	1,962.0	2,044.0	1,941.0	1,884.0
New York	616.0	618.0	619.0	620.0	3,404.0	3,586.0	3,576.0	3,528.0
North Carolina	47.0	46.0	46.0	47.0	254.0	256.0	235.0	240.0
North Dakota	16.0	16.0	16.0	16.0	80.0	85.0	84.0	83.0
Ohio	268.0	267.0	266.0	266.0	1,358.0	1,409.0	1,379.0	1,347.0
Oklahoma	40.0	40.0	38.0	37.0	191.0	195.0	166.0	175.0
Oregon	125.0	124.0	123.0	126.0	629.0	655.0	638.0	629.0
Pennsylvania	530.0	530.0	530.0	530.0	2,695.0	2,796.0	2,680.0	2,629.0
Rhode Island	0.9	0.9	0.9	0.9	4.1	4.0	4.0	3.8
South Carolina	15.0	15.0	15.0	15.0	72.0	71.0	58.0	60.0
South Dakota	101.0	105.0	107.0	110.0	553.0	587.0	605.0	614.0
Tennessee	46.0	46.0	43.0	43.0	196.0	199.0	172.0	175.0
Texas	467.0	462.0	462.0	462.0	2,608.0	2,656.0	2,507.0	2,530.0
Utah	96.0	96.0	95.0	95.0	550.0	573.0	564.0	533.0
Vermont	132.0	132.0	132.0	131.0	657.0	682.0	667.0	660.0
Virginia	93.0	92.0	91.0	90.0	448.0	461.0	432.0	430.0
Washington	277.0	276.0	276.0	277.0	1,631.0	1,690.0	1,662.0	1,623.0
West Virginia	9.0	9.0	8.5	8.5	36.0	37.0	34.0	34.0
Wisconsin	1,275.0	1,279.0	1,280.0	1,280.0	7,028.0	7,375.0	7,352.0	7,275.0
Wyoming	6.0	6.0	6.0	6.0	32.0	34.0	35.0	34.4
United States	9,309.0	9,320.0	9,311.0	9,315.0	51,945.0	53,726.0	51,677.0	51,249.0

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: 2016

[May not add due to rounding]

State	Milk cows ¹				Milk production ²			
	Jan-Mar (1,000 head)	Apr-Jun (1,000 head)	Jul-Sep (1,000 head)	Oct-Dec (1,000 head)	Jan-Mar (million pounds)	Apr-Jun (million pounds)	Jul-Sep (million pounds)	Oct-Dec (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	1,154.0
Arkansas	6.5	6.5	6.0	6.0	22.0	22.0	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	152.0	154.0	952.0	970.0	1,002.0	999.0
Connecticut	19.0	19.0	19.0	19.0	103.0	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	588.0
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	495.0	455.0	461.0
Indiana	184.0	184.0	184.0	185.0	1,047.0	1,052.0	1,020.0	1,032.0
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	252.0
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	229.0	234.0
Massachusetts	11.5	11.5	11.5	11.5	54.0	56.0	53.0	52.0
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	88.0	88.0	88.0	88.0	356.0	360.0	324.0	333.0
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	73.0	70.0	69.0
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	3,596.0	3,760.0	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	87.0
Ohio	266.0	266.0	265.0	262.0	1,381.0	1,424.0	1,370.0	1,357.0
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	3.6	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	679.0	694.0	677.0	674.0
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	7,432.0
Wyoming	6.0	6.0	6.0	6.0	34.4	34.6	35.1	35.7
United States	9,312.0	9,323.0	9,331.0	9,344.0	52,998.0	54,331.0	52,590.0	52,517.0

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

² Excludes milk sucked by calves.

Licensed Dairy Herds – States and United States: 2015 and 2016

	Licensed dairy herds ¹	
	2015 (number)	2016 (number)
Alabama	35	35
Alaska	2	2
Arizona	110	110
Arkansas	70	60
California	1,440	1,420
Colorado	120	120
Connecticut	120	120
Delaware	35	35
Florida	130	120
Georgia	220	210
Hawaii	2	2
Idaho	520	520
Illinois	680	640
Indiana	1,210	1,145
Iowa	1,360	1,265
Kansas	300	290
Kentucky	690	630
Louisiana	110	100
Maine	260	250
Maryland	440	420
Massachusetts	150	140
Michigan	1,880	1,810
Minnesota	3,470	3,350
Mississippi	75	75
Missouri	1,190	1,100
Montana	70	65
Nebraska	185	175
Nevada	20	20
New Hampshire	120	120
New Jersey	65	60
New Mexico	150	150
New York	4,820	4,650
North Carolina	230	210
North Dakota	90	85
Ohio	2,730	2,560
Oklahoma	170	160
Oregon	240	230
Pennsylvania ²	6,770	6,650
Rhode Island	15	10
South Carolina	70	60
South Dakota	255	235
Tennessee	350	300
Texas	430	400
Utah	190	180
Vermont	850	820
Virginia	630	615
Washington	480	480
West Virginia	75	75
Wisconsin	9,900	9,520
Wyoming	10	10
United States	43,534	41,809

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. Indications of milk cow inventory are also obtained in the January Cattle Survey.

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 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 0.2 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 17.0 billion pounds by more than 0.2 percent. Chances are 9 out of 10 that the difference will not exceed 0.3 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	0.2	0.3	20	1	70	15	9
All Milk cows	0.1	0.1	4	1	10	9	15

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.

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Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 720-3240
David Colwell – Sheep and Goats	(202) 720-8784
Donnie Fike – Dairy Products	(202) 690-3236
Michael Klamm – 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

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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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