

Milk Production

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June Milk Production up 2.7 Percent

Milk production in the 23 major States during June totaled 15.2 billion pounds, up 2.7 percent from June 2009. May revised production at 15.8 billion pounds, was up 1.5 percent from May 2009. The May revision represented an increase of 40 million pounds or 0.3 percent from last month's preliminary production estimate.

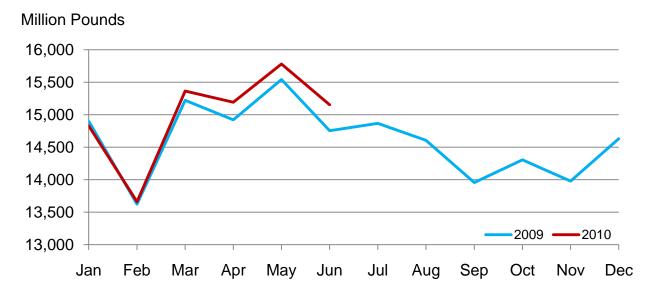
Production per cow in the 23 major States averaged 1,816 pounds for June, 67 pounds above June 2009.

The number of milk cows on farms in the 23 major States was 8.35 million head, 87,000 head less than June 2009, but 10,000 head more than May 2010.

April - June Milk Production up 1.7 Percent

Milk production in the U.S. during the April - June quarter totaled 49.7 billion pounds, up 1.7 percent from the April - June quarter last year. The average number of milk cows in the U.S. during the quarter was 9.11 million head, 151,000 head less than the same period last year.

Monthly Milk Production - 23 Selected States



Milk Cows and Production by Quarter - United States: 2009-2010

[May not add due to rounding]

	Milk cows 1		Milk pe	r cow ²	Milk production ²		
Quarter	2009	2010	2009	2010	2009	2010	Change from 2009
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January-March	9,295 9,262 9,155 9,090	9,091 9,111	5,097 5,278 5,111 5,090	5,209 5,458	47,374 48,888 46,793 46,265	47,352 49,724	1.7
Annual	9,201		20,576		189,320		

¹ Includes dry cows; excludes heifers not yet fresh. ² Excludes milk sucked by calves.

Milk Cows and Production by Month - 23 Selected States: 2009-2010

	Milk cows 1		Milk pe	er cow ²	Milk production ²		
Month	2009	2010	2009	2010	2009	2010	Change from 2009
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January February March April May June July August September October November December Annual	8,482 8,480 8,475	8,315 8,319 8,322 8,328 8,337 8,347	1,752 1,605 1,795 1,760 1,834 1,749 1,771 1,745 1,675 1,720 1,681 1,761	1,784 1,642 1,846 1,824 1,893 1,816	14,902 13,624 15,222 14,922 15,541 14,754 14,867 14,606 13,957 14,306 13,979 14,632	14,831 13,660 15,364 15,192 15,781 15,154	-0.5 0.3 0.9 1.8 1.5 2.7

¹ Includes dry cows; excludes heifers not yet fresh. ² Excludes milk sucked by calves.

Estimated Milk Cows and Production by Month - United States: 2009-2010

	Milk cows 1		Milk pe	er cow ²	Milk production ²		
Month	2009	2010	2009	2010	2009	2010	Change from 2009
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
January February March April May June July August September October November December Annual	9,283 9,282 9,274 9,230 9,187 9,159	9,087 9,091 9,094 9,101 9,111 9,122	1,733 1,588 1,776 1,740 1,812 1,726 1,744 1,718 1,649 1,695 1,658 1,737	1,763 1,622 1,824 1,801 1,867 1,790	16,135 14,754 16,485 16,148 16,805 15,935 16,018 15,737 15,038 15,420 15,070 15,775	16,016 14,749 16,587 16,389 17,011 16,324	-0.7 0.6 1.5 1.2 2.4

¹ Includes dry cows; excludes heifers not yet fresh.

² Excludes milk sucked by calves.

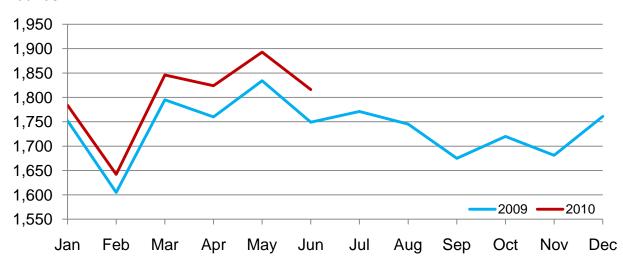
Milk Cows and Production - 23 Selected States: June 2009 and 2010

	Milk c	ows ¹	Milk pe	er cow ²	Milk production ²		
State	2009	2010	2009	2010	2009	2010	Change from 2009
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	176	174	1,940	2,045	341	356	4.4
California	1,804	1,751	1,820	1,940	3,283	3,397	3.5
Colorado	126	117	1,940	2,025	244	237	-2.9
Florida	116	115	1,535	1,565	178	180	1.1
Idaho	549	559	1,880	1,910	1,032	1,068	3.5
Illinois	102	101	1,570	1,615	160	163	1.9
Indiana	168	170	1,685	1,735	283	295	4.2
lowa	215	212	1,710	1,760	368	373	1.4
Kansas	118	118	1,735	1,755	205	207	1.0
Michigan	357	359	1,890	1,970	675	707	4.7
Minnesota	469	470	1,630	1,660	764	780	2.1
Missouri	109	100	1,195	1,230	130	123	-5.4
New Mexico	327	325	2,050	2,080	670	676	0.9
New York	623	610	1,700	1,740	1,059	1,061	0.2
Ohio	278	270	1,590	1,690	442	456	3.2
Oregon	114	116	1,675	1,715	191	199	4.2
Pennsylvania	545	541	1,630	1,660	888	898	1.1
Texas	428	410	1,710	1,775	732	728	-0.5
Utah	83	85	1,785	1,810	148	154	4.1
Vermont	135	137	1,550	1,555	209	213	1.9
Virginia	96	95	1,500	1,515	144	144	
Washington	239	250	1,970	1,970	471	493	4.7
Wisconsin	1,257	1,262	1,700	1,780	2,137	2,246	5.1
23-State Total	8,434	8,347	1,749	1,816	14,754	15,154	2.7

¹ Includes dry cows; excludes heifers not yet fresh.

Monthly Milk per Cow - 23 Selected States





² Excludes milk sucked by calves.

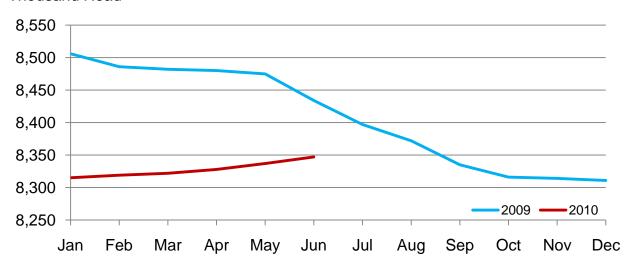
Milk Cows and Production - 23 Selected States: May 2009 and 2010

	Milk c	ows 1	Milk pe	er cow ²		Milk production ²	
State	2009	2010	2009	2010	2009	2010	Change from 2009
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona California Colorado Florida Idaho Illinois Indiana Iowa Kansas	184 1,815 128 117 553 102 168 215	172 1,750 117 115 559 101 169 212	2,055 1,935 2,000 1,700 1,910 1,670 1,785 1,785 1,835	2,170 2,025 2,050 1,700 1,940 1,720 1,815 1,820 1,860	378 3,512 256 199 1,056 170 300 384 222	373 3,544 240 196 1,084 174 307 386 216	-1.3 0.9 -6.3 -1.5 2.7 2.4 2.3 0.5 -2.7
Michigan	357	358	1,955	2,035	698	729	4.4
Minnesota	469 110 332 623 278 114 547 430 84 136	470 101 324 610 269 115 541 410 85 137	1,680 1,330 2,145 1,820 1,670 1,735 1,710 1,835 1,805 1,595	1,725 1,340 2,160 1,850 1,750 1,770 1,750 1,880 1,850 1,625	788 146 712 1,134 464 198 935 789 152 217	811 135 700 1,129 471 204 947 771 157 223	2.9 -7.5 -1.7 -0.4 1.5 3.0 1.3 -2.3 3.3 2.8
Virginia	96 240 1,256 8,475	95 250 1,261 8,337	1,615 2,015 1,745 1,834	1,640 2,030 1,840 1,893	155 484 2,192 15,541	156 508 2,320 15,781	0.6 5.0 5.8 1.5

¹ Includes dry cows; excludes heifers not yet fresh.

Monthly Milk Cows - 23 Selected States

Thousand Head



² Excludes milk sucked by calves.

Milk Cows and Production: By State and United States, Revised January-March, 2009-2010

[May not add due to rounding]

Ctata	January-March	Milk Cows 1	January-March M	Change		
State	2009	2010	2009	2010	from 2009	
	(1,000 head)	(1,000 head)	(million pounds)	(million pounds)	(percent)	
Alabama	11.0	11.0	48	44	-8.3	
Alaska	0.6	0.6	1.5	1.5		
Arizona	189	170	1,126	1,046	-7.1	
Arkansas	13.5	13.0	43	41	-4.7	
California Colorado	1,826 128	1,759 116	10,097 731	9,938 665	-1.6 -9.0	
Connecticut	18.5	18.5	91	92	-9.0 1.1	
Delaware	6.5	5.5	28.0	23.0	-17.9	
Florida	117	113	582	567	-2.6	
Georgia	74	79	378	371	-1.9	
Hawaii	1.5	1.9	5.3	6.1	15.1	
Idaho	551	553	2,915	3,003	3.0	
Illinois	102	101	489	491	0.4	
Indiana	167	169	836	846	1.2	
lowa Kansas	215 124	212 116	1,071 654	1,079 609	0.7 -6.9	
Kentucky	86	79	313	296	-5.4	
Louisiana	24	20	83	67	-19.3	
Maine	33	32	146	144	-1.4	
Maryland	56	54	260	257	-1.2	
Massachusetts	14.5	14.5	62	64	3.2	
Michigan	354	355	1,935	2,002	3.5	
Minnesota	468	470	2,216	2,270	2.4	
Mississippi	19.0	17.0	74	63	-14.9	
Missouri Montana	108 15.0	101 14.0	403 75	366 73	-9.2 -2.7	
Nebraska	61	59	294	290	-2. <i>1</i> -1.4	
Nevada	28	28	152	151	-0.7	
New Hampshire	15.0	15.0	73	75	2.7	
New Jersey	9.5	8.5	43	37	-14.0	
New Mexico	333	319	2,002	1,912	-4.5	
New York	623	610	3,060	3,060		
North Carolina	46	43	234	216	-7.7	
North Dakota Ohio	25 277	21 270	98 1,271	94 1,287	-4.1 1.3	
Oklahoma	62	57	265	249	-6.0	
Oregon	114	114	558	572	2.5	
Pennsylvania	550	541	2,637	2,640	0.1	
Rhode Island	1.1	1.1	5.0	4.9	-2.0	
South Carolina	17.0	17.0	86	82	-4.7	
South Dakota	94	93	460	466	1.3	
Tennessee	58	53	244	222	-9.0	
Texas	430	410	2,271	2,187	-3.7	
Utah Vermont	85 136	83 135	427 617	432 622	1.2 0.8	
Virginia	97	95	443	428	-3.4	
Washington	240	247	1,350	1,439	6.6	
West Virginia	11.0	10.0	41	39	-4.9	
Wisconsin	1,255	1,260	6,057	6,394	5.6	
Wyoming	5.0	6.0	23.3	28.6	22.7	
United States	9,295	9,091	47,374	47,352		

¹ Includes dry cows, excludes heifers not yet fresh.
² Excludes milk sucked by calves.

Milk Cows and Production: By State and United States, Preliminary April-June, 2009-2010

[May not add due to rounding]

Ctoto	April-June M	ilk Cows ¹	April-June Milk	Change	
State	2009	2010	2009	2010	from 2009
	(1,000 head)	(1,000 head)	(million pounds)	(million pounds)	(percent)
Alabama	11.0	11.0	45	43	-4.4
Alaska	0.6	0.6	1.5	1.9	26.7
Arizona	183	172	1,105	1,096	-0.8
Arkansas	13.0	13.0	46	43	-6.5
California	1,813	1,751	10,228	10,373	1.4
Colorado	127	117	746	708	-5.1
Connecticut	18.5	19.0	92	96	4.3
Delaware	6.0	5.5	27.0	24.0	-11.1
Florida	117	115	577	577	
Georgia	75	80	378	382	1.1
Hawaii	1.5	1.9	5.5	6.3	14.5
Idaho	551	558	3,080	3,182	3.3
Illinois	102	101	496	506	2.0
Indiana	168	169	869	897	3.2
lowa	215	212	1,120	1,130	0.9
Kansas	120	117	640	632	-1.3
Kentucky	84	79	320	315	-1.6
Louisiana	23	20	76	66	-13.2
Maine	33	32	152	150	-1.3
Maryland	56	54	262	259	-1.1
Massachusetts	14.5	14.5	64	65	1.6
Michigan	357	358	2,037	2,134	4.8
Minnesota	469	470	2,303	2,367	2.8
Mississippi	18.5	17.0	70	63	-10.0
Missouri	110	101	421	392	-6.9
Montana	15.0	14.0	76	75	-1.3
Nebraska	62	58	306	300	-2.0
Nevada	28	28	154	154	
New Hampshire	15.0	15.5	76	78	2.6
New Jersey	9.0	8.0	42	36	-14.3
New Mexico	330	324	2,069	2,051	-0.9
New York	623	610	3,233	3,261	0.9
North Carolina	46	44	235	224	-4.7
North Dakota	23	21	98	97	-1.0
Ohio	278 60	269 57	1,346	1,369 252	1.7 -3.1
Oklahoma	114	115	260 580	601	3.6
Oregon	547	541	2,723	2,770	1.7
Rhode Island	1.1	1.1	5.2	5.2	1.7
South Carolina	17.5	16.5	86	79	-8.1
South Dakota	95	93	483	480	-0.6
Tennessee	56	53	246	232	-5.7
Texas	429	410	2,299	2,260	-1.7
Utah	84	85	446	461	3.4
Vermont	136	137	633	650	2.7
Virginia	96	95	451	451	
Washington	239	250	1,414	1,493	5.6
West Virginia	11.0	10.0	42	41	-2.4
Wisconsin	1,256	1,261	6,401	6,766	5.7
Wyoming	5.0	6.0	22.9	29.5	28.8
United States	9,262	9,111	48,888	49,724	1.7

¹ Includes dry cows, excludes heifers not yet fresh. ² Excludes milk sucked by calves.

Reliability Statement

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, rather than conduct a monthly or quarterly survey, 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 and July Cattle Surveys.

Estimation Procedures: State offices prepare these estimates by using a combination of survey indications, historic trends, and any available administrative data. Individual State estimates are reviewed by the Agricultural Statistics Board for reasonableness.

Revision Policy: Milk production, rate per cow, and number of cows are subject to revision the following month for monthly States or the following quarter for the quarterly States. Normally, Federal Market Order sales are the main basis for revisions. However, data for all orders are not available in time for this revision. Estimates are again subject to revisions in February each year based on additional administrative data. In the event that additional changes are necessary, a third revision is possible in February the following year. Estimates are again reviewed after data from the five-year Census of Agriculture are available. No revisions are made after that date.

Reliability: Since all operations with dairy animals are not included in the sample, survey estimates are subject to sampling variability. Survey results are also subject to non-sampling errors such as omissions, duplications, and mistakes in reporting, recording, and processing the data. The effects of these errors cannot be measured directly. They are minimized through rigid quality controls in the data collection process and through a careful review of all reported data for consistency and reasonableness.

To assist users in evaluating the reliability of the estimates in this report, the "Root Mean Square Error" is shown for selected items on the next page. The "Root Mean Square Error" is a statistical measure based on past performance and is computed using the differences between first and final estimates. The "Root Mean Square Error" for milk cow inventory estimates over the past 20 quarters is 0.3 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 9.12 million head by more than 0.3 percent. Chances are 9 out of 10 that the difference will not exceed 0.6 percent.

Reliability of Quarterly Milk Production Estimates [Based on the U.S. total for the past 20 quarters]

	Root 90%		Difference between			Quarters		
Item	mean square	confidence level		first and latest estimates			First above	First below
	error			Average	Smallest	Largest	latest	latest
	(percent)	(percent)	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(number)	(number)
Milk production	0.1	0.3	124	52	3	192	4	16
	(percent)	(percent)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(number)	(number)
All milk cows	0.3	0.6	50	24	0	52	2	17

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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Joe Gaynor – Dairy Products Prices	(202) 690-2168
Jason Hardegree – Cattle, Cattle on Feed	(202) 720-3040
Sherry Bertramsen – Livestock Slaughter	(515) 284-4340
Everett Olbert – Sheep and Goats	(202) 720-4751
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
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