

Milk Production



National
Agricultural
Statistics
Service

United States
Department of
Agriculture

Washington, D.C.

Released June 17, 1991 by the Agricultural Statistics Board.

May Milk Production

Milk production in the 21 major States during May totaled 11.2 billion pounds, virtually unchanged from production in these same States in May 1990. April revised production at 10.9 billion pounds was 1 percent above April 1990.

Production per cow in the 21 major States averaged 1,335 pounds for May, 11 pounds more than May 1990.

The number of cows on farms in the 21 major States was 8.42 million head, 10,000 head less than April 1991 and 80 thousand less than May 1990.

During the January-March period, the 21 major States produced 31.7 billion pounds of milk, 84.6 percent of the U.S. production. If producers in the remaining 29 States not surveyed monthly followed the same pattern as the 21 States, the U.S. production would be 13.3 billion pounds for May 1991.

* * * * *

Special features are located at the end of this report. For additional information, call Daniel Buckner 202-447-4448. Office hours are 7:30 to 4:00 ET.

Da 1-1 (6-91)

Milk Cows and Milk Production by Quarters, United States,

Month	Milk Cows 1/		Milk Per Cow 2/		Milk Production 2/		:1991 as : % of : 1990
	1990	1991	1990	1991	1990	1991	
	Thousands		Pounds		Million Pounds		Percent
Jan-Mar	10,128	10,105	3,627	3,707	36,740	37,463	102
Apr-Jun	10,111		3,820		38,626		
Jul-Sep	10,119		3,620		36,632		
Oct-Dec	10,151		3,575		36,285		
Annual	10,127		14,642		148,284		

1/ Includes dry cows. Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

Revised April 1991 Milk Cows and Milk Production, by States

State	Milk Cows 1/		Milk Per Cow 2/		Milk Production 2/		:1991 as : % of : 1990
	1990	1991	1990	1991	1990	1991	
	Thousands		Pounds		Million Pounds		Percent
CA	1,130	1,154	1,560	1,560	1,763	1,800	102
FL	181	182	1,295	1,295	234	236	101
ID	176	178	1,360	1,370	239	244	102
IL	195	193	1,280	1,270	250	245	98
IN	155	150	1,245	1,355	193	203	105
IA	308	302	1,190	1,160	367	350	95
KY	209	197	965	1,030	202	203	100
MD	102	103	1,145	1,175	117	121	103
MI	345	343	1,270	1,300	438	446	102
MN	720	685	1,245	1,270	896	870	97
MO	229	229	1,200	1,165	275	267	97
NY	766	755	1,240	1,270	950	959	101
NC	99	100	1,320	1,390	131	139	106
OH	342	337	1,125	1,170	385	394	102
PA	680	667	1,240	1,310	843	874	104
TN	196	193	1,010	1,020	198	197	99
TX	385	384	1,295	1,310	499	503	101
VT	162	163	1,235	1,250	200	204	102
VA	140	139	1,215	1,295	170	180	106
WA	235	235	1,570	1,570	369	369	100
WI	1,742	1,737	1,205	1,210	2,099	2,102	100
21 State:							
Total	8,497	8,426	1,273	1,294	10,818	10,906	101

1/ Includes dry cows. Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

Milk Cows and Milk Production by Months, 21 Selected States

Month	Milk Cows 1/		Milk Per Cow 2/		Milk Production 2/		
	1990	1991	1990	1991	1990	1991	1991 as % of 1990
	Thousands		Pounds		Million Pounds		Percent
Jan	8,536	8,510	1,217	1,253	10,389	10,663	103
Feb	8,523	8,487	1,141	1,172	9,722	9,948	102
Mar	8,500	8,464	1,292	1,311	10,986	11,097	101
Apr	8,497	8,426	1,273	1,294	10,818	10,906	101
May	8,496	8,416	1,324	1,335	11,252	11,238	100
Jun	8,495		1,262		10,719		
Jul	8,487		1,260		10,691		
Aug	8,499		1,233		10,476		
Sep	8,516		1,171		9,973		
Oct	8,516		1,200		10,223		
Nov	8,540		1,171		9,998		
Dec	8,547		1,225		10,467		
Annual	8,513		14,768		125,714		

1/ Includes dry cows. Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

Preliminary May 1991 Milk Cows and Milk Production, by States

State	Milk Cows 1/		Milk Per Cow 2/		Milk Production 2/		
	1990	1991	1990	1991	1990	1991	1991 as % of 1990
	Thousands		Pounds		Million Pounds		Percent
CA	1,133	1,155	1,615	1,635	1,858	1,888	102
FL	180	181	1,270	1,250	229	226	99
ID	177	178	1,430	1,440	253	256	101
IL	193	193	1,310	1,280	253	247	98
IN	155	150	1,300	1,415	202	212	105
IA	308	303	1,230	1,165	379	353	93
KY	208	195	980	1,045	204	204	100
MD	102	102	1,185	1,205	121	123	102
MI	345	344	1,315	1,340	454	461	102
MN	720	685	1,280	1,300	922	891	97
MO	231	229	1,220	1,195	282	274	97
NY	761	751	1,300	1,330	989	999	101
NC	100	100	1,340	1,370	134	137	102
OH	340	337	1,215	1,245	413	420	102
PA	677	659	1,310	1,345	887	886	100
TN	196	194	1,000	1,010	196	196	100
TX	383	383	1,295	1,295	496	496	100
VT	162	164	1,290	1,300	209	213	102
VA	140	139	1,235	1,290	173	179	103
WA	238	234	1,630	1,645	388	385	99
WI	1,747	1,740	1,265	1,260	2,210	2,192	99
21 State:							
Total	8,496	8,416	1,324	1,335	11,252	11,238	100

1/ Includes dry cows. Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

Annual Quantity and Value of Grain and Other Concentrates Fed to Milk Cows,
by States 1989 1/

State	Annual Quantity Fed to Milk Cows			Annual Average Value of Feed Per Cwt	Annual Average Feed Value Per Cwt of Milk
	Total	Per Cow	Per Cwt of Milk		
	1,000 Tons	Pounds		Dollars	
AL	147	6,830	51	9.06	4.62
AK	6	7,020	48	13.15	6.31
AZ	368	8,090	48	7.30	3.50
AR	213	6,270	54	8.36	4.51
CA	4,063	7,360	40	7.77	3.11
CO	290	7,630	46	7.25	3.34
CT	97	5,710	38	9.14	3.47
DE	28	5,950	41	8.76	3.59
FL	923	10,200	79	7.72	6.10
GA	318	5,940	50	8.72	4.36
ID	522	6,100	39	6.82	2.66
IL	509	5,170	38	7.72	2.93
IN	441	5,440	42	7.70	3.23
IA	759	4,910	40	7.39	2.96
KS	302	6,100	50	7.10	3.55
KY	542	5,110	47	8.90	4.18
LA	258	5,990	56	8.56	4.79
ME	115	5,320	38	9.54	3.63
MD	255	4,900	37	9.09	3.36
MA	88	5,640	39	9.15	3.57
MI	1,108	6,420	43	7.20	3.10
MN	1,857	5,060	39	7.54	2.94
MS	182	5,600	48	8.78	4.21
MO	779	6,830	51	8.23	4.20
MT	68	5,630	40	7.31	2.92
NE	306	5,830	44	6.92	3.04
NV	48	4,780	34	8.60	2.92
NH	50	4,960	36	9.30	3.35
NJ	65	4,620	35	9.50	3.33
NM	291	8,690	49	6.80	3.33
NY	1,781	4,590	33	9.26	3.06
NC	321	6,160	42	9.45	3.97
ND	223	5,190	45	6.06	2.73
OH	941	5,390	41	8.34	3.42
OK	246	4,920	45	8.64	3.89
OR	281	5,920	37	8.78	3.25
PA	1,937	5,550	39	9.37	3.65
RI	63	5,490	38	9.12	3.47
SC	105	5,670	46	8.85	4.07
SD	369	5,160	43	6.58	2.83
TN	507	5,170	47	9.58	4.50
TX	1,372	7,110	51	7.82	3.99
UT	216	5,680	36	7.10	2.56
VT	391	4,800	34	9.40	3.20
VA	380	5,310	38	9.56	3.63
WA	764	6,790	37	8.28	3.06
WV	53	4,240	38	9.26	3.52
WI	4,635	5,330	37	8.49	3.14
WY	19	3,750	30	6.58	1.97
US	29,602	5,845	41.0	8.20	3.36

1/ Estimates for all places where milk produced, either for sale or for home use.

Annual Quantity and Value of Grain and Other Concentrates Fed to Milk Cows,
by States, 1990 1/

State	Annual Quantity Fed to Milk Cows			Annual Average	Annual Average
	Total	Per Cow	Per Cwt of Milk	Value of Feed Per Cwt	Feed Value Per Cwt of Milk
	1,000 Tons	Pounds		Dollars	
AL	140	6,640	53	8.74	4.65
AK	4	6,300	45	13.45	6.07
AZ	394	8,370	48	7.36	3.56
AR	221	6,390	54	8.12	4.40
CA	4,188	7,380	40	7.82	3.15
CO	304	7,900	46	7.10	3.25
CT	103	6,240	40	9.23	3.65
DE	25	5,480	40	8.28	3.32
FL	986	10,950	78	7.58	5.90
GA	425	7,650	59	8.44	5.00
ID	576	6,430	39	6.80	2.63
IL	592	6,070	42	8.08	3.39
IN	489	6,270	43	7.56	3.27
IA	953	6,250	44	7.05	3.09
KS	336	6,790	54	7.04	3.79
KY	598	5,800	53	8.50	4.46
LA	268	6,610	57	8.35	4.74
ME	117	5,560	38	9.01	3.41
MD	301	5,840	44	8.96	3.92
MA	92	5,950	40	8.88	3.53
MI	1,074	6,240	41	6.80	2.81
MN	2,152	6,060	43	7.60	3.30
MS	191	6,160	51	8.50	4.31
MO	760	6,610	50	7.97	4.02
MT	66	5,490	39	7.14	2.76
NE	296	5,690	44	6.70	2.95
NV	65	6,470	39	8.24	3.24
NH	58	5,760	38	8.89	3.40
NJ	66	5,020	37	9.18	3.36
NM	351	8,650	46	6.38	2.96
NY	2,108	5,490	38	9.06	3.44
NC	327	6,540	43	9.10	3.89
ND	248	5,640	45	5.76	2.57
OH	1,011	5,910	45	8.30	3.75
OK	318	6,290	51	8.16	4.19
OR	298	6,020	37	8.82	3.25
PA	1,889	5,530	38	9.20	3.54
RI	7	6,030	39	9.28	3.65
SC	112	6,370	50	8.51	4.28
SD	387	5,520	45	6.30	2.82
TN	549	5,600	50	9.25	4.62
TX	1,579	8,180	57	7.74	4.41
UT	247	6,180	39	7.24	2.84
VT	439	5,380	37	8.98	3.28
VA	401	5,690	40	9.10	3.64
WA	836	7,050	38	8.15	3.10
WV	62	5,180	46	9.00	4.18
WI	5,364	6,120	44	7.88	3.48
WY	19	3,780	31	6.26	1.93
US	32,392	6,395	43.7	7.98	3.49

1/ Estimates for all places where milk produced, either for sale or for home use.

Reliability of May 1 Milk Production Forecast

Survey Procedures: Primary data used to determine these estimates were obtained from a sample of producers using non-probability mail surveys. The individual States maintain a list of all known dairy 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. About 20,000 producers are sampled in January and data are collected from about 10,000 respondents. There are about 7,300 respondents in the remaining quarters. Generally, all larger producers and a sample of smaller producers are included in the survey. Questionnaires are mailed to respondents near the end of the month to obtain data pertaining to the first day of the month, January 1, February 1, etc. Toward the end of the data collection period statisticians review mail returns to insure that each size group contains adequate representation. If additional reports are needed in some size groups, dairymen are telephoned to obtain the information on their herd.

Estimating Procedures: Estimates were prepared by each state by plotting survey estimates and averages on time series charts. The data are reviewed by the Agricultural Statistics Board for reasonableness between States and administrative data levels.

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 reason for revisions, however not all orders have data available in time for this revision. A second revision is made in February each year based on additional data. In the event that some additional changes are necessary, a third revision is allowed in February the following year. Estimates will also be reviewed after data for the five year Census of Agriculture, conducted by the Department of Commerce are available. No revisions will be made after that date.

Reliability: Since all operations with dairy animals were not included in the sample, survey indications are subject to sampling variability. Survey data are subject to non-sampling errors such as omissions, duplications, mistakes in reporting, recording, and processing the data. These errors cannot be measured directly but they are minimized through a careful review of all reported data for consistency and reasonableness. Generally the original estimates are within one-half percent of the final estimate.

Special Features: This issue of Milk Production contains revised April 1991 milk cows and milk production, annual feeding rates, and ration value 1989 and 1990.

The next Milk Production report will be released at 3:00 p.m. ET on July 15, 1991.

Subscription Information: To subscribe to NASS reports or to order single copies, call toll free, 1-800-999-6779 (weekdays 8:30-5:00 ET). You may write, P.O. Box 1608, Rockville, MD. 20849-1608.

