

Milk Production



National
Agricultural
Statistics
Service

United States
Department of
Agriculture

Washington, D.C.

Released July 15, 1991, by the Agricultural Statistics Board.

June Milk Production

Milk production in the 21 major States during June totaled 10.7 billion pounds, slightly below production in these same States in June 1990. May revised production, at 11.2 billion pounds was virtually the same as May 1990.

Production per cow in the 21 major States averaged 1,269 pounds for June, 7 pounds above June 1990.

The number of cows on farms in the 21 major States was 8.41 million head, 5 thousand less than May and 82 thousand less than June 1990.

During the April-June period, the 21 major States produced 32.8 billion pounds of milk, 84.7 percent of the U.S. production. If the remaining 29 states not surveyed monthly followed the same pattern as the 21 States, the U.S. production would be 12.9 billion for April, 13.2 billion pounds for May, and 12.6 billion for June.

April-June Milk Production

The quarterly production of milk for the U.S. was 38.7 billion pounds, virtually the same as the April-June period last year. The average number of milk cows in the U.S. during the April-June quarter was 10.0 million head, 84 thousand less than the same period last year.

Grain and Other Concentrates Fed

Grain and other concentrates fed to milk cows on July 1 1991, averaged 17.3 pounds, the same as July 1, 1990.

Value of Grain and Other Concentrates

The value of grain and other concentrates fed to cows on July 1, averaged \$7.71 per hundredweight, \$0.40 less than the July 1, 1990 price.

For additional information, call Daniel Buckner (202) 447-4448. Office hours are 8:00 to 4:30 ET.

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Milk Cows and Milk Production by Quarters, United States,

Month	Milk Cows <u>1/</u>		Milk Per Cow <u>2/</u>		Milk Production <u>2/</u>		1991 As % Of 1990
	1990	1991	1990	1991	1990	1991	
	Thousands		Pounds		Million Pounds		Percent
Jan-Mar	10,128	10,104	3,627	3,708	36,740	37,470	102
Apr-Jun	10,111	10,027	3,820	3,862	38,626	38,728	100
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 May 1991 Milk Cows and Milk Production, by States

State	Milk Cows <u>1/</u>		Milk Per Cow <u>2/</u>		Milk Production <u>2/</u>		1991 As % Of 1990
	1990	1991	1990	1991	1990	1991	
	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	180	1,430	1,440	253	259	102
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	1,030	204	201	99
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	1,165	282	267	95
NY	761	751	1,300	1,325	989	995	101
NC	100	99	1,340	1,365	134	135	101
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	235	1,630	1,650	388	388	100
WI	1,747	1,740	1,265	1,260	2,210	2,192	99
21 State: Total	8,496	8,418	1,324	1,334	11,252	11,228	100

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 <u>1/</u>		Milk Per Cow <u>2/</u>		Milk Production <u>2/</u>		
	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	8,418	1,324	1,334	11,252	11,228	100
JUN	8,495	8,413	1,262	1,269	10,719	10,679	100
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 June 1991 Milk Cows and Milk Production, by States

State	Milk Cows <u>1/</u>		Milk Per Cow <u>2/</u>		Milk Production <u>2/</u>		
	1990	1991	1990	1991	1990	1991	1991 As % Of 1990
	Thousands		Pounds		Million Pounds		Percent
CA	1,136	1,155	1,580	1,580	1,795	1,825	102
FL	178	178	1,150	1,130	205	201	98
ID	178	180	1,430	1,420	255	256	100
IL	193	191	1,240	1,220	239	233	97
IN	154	148	1,240	1,290	191	191	100
IA	307	303	1,180	1,140	362	345	95
KY	207	195	895	935	185	182	98
MD	101	103	1,100	1,090	111	112	101
MI	345	342	1,285	1,300	443	445	100
MN	715	685	1,215	1,215	869	832	96
MO	232	229	1,090	1,060	253	243	96
NY	758	751	1,260	1,275	955	958	100
NC	100	99	1,235	1,220	124	121	98
OH	342	337	1,130	1,130	386	381	99
PA	680	659	1,230	1,270	836	837	100
TN	197	192	950	970	187	186	99
TX	381	382	1,160	1,160	442	443	100
VT	162	163	1,240	1,250	201	204	101
VA	139	139	1,150	1,200	160	167	104
WA	239	238	1,570	1,600	375	381	102
WI	1,751	1,744	1,225	1,225	2,145	2,136	100
21 State: Total	8,495	8,413	1,262	1,269	10,719	10,679	100

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

2/ Excludes milk sucked by calves.

Revised Milk Cows and Milk Production, January-March

State	Jan-Mar Milk Cows <u>1/</u>		Jan-Mar Milk Production <u>2/</u>		1991 As % Of 1990
	1990	1991	1990	1991	
	Thousands		Million pounds		Percent
AL	40	42	143	148	103
AK	1.3	1.1	4.35	3.65	84
AZ	92	96	436	440	101
AR	69	68	208	207	100
CA	1,122	1,152	4,965	5,246	106
CO	77	77	322	325	101
CT	34	33	134	133	99
DE	8.9	9.1	31.6	32.5	103
FL	179	184	694	717	103
GA	110	112	381	410	108
HI	11.3	11.0	38.4	35.7	93
ID	172	181	667	700	105
IL	197	194	708	709	100
IN	158	151	564	576	102
IA	308	302	1,106	1,064	96
KS	98	98	310	315	102
KY	208	199	560	574	103
LA	83	80	251	256	102
ME	43	41	157	152	97
MD	104	105	340	356	105
MA	31	31	117	120	103
MI	344	343	1,286	1,305	101
MN	718	690	2,611	2,570	98
MS	63	63	199	207	104
MO	227	229	756	729	96
MT	24	24	81	84	104
NE	104	102	325	321	99
NV	20.0	20.0	80.0	80.4	101
NH	20	20	78	78	100
NJ	26	26	91	91	100
NM	72	93	339	422	124
NY	775	767	2,751	2,807	102
NC	99	100	384	409	107
ND	89	85	276	264	96
OH	345	339	1,126	1,153	102
OK	101	99	313	307	98
OR	98	100	379	394	104
PA	688	679	2,460	2,529	103
RI	2.2	2.3	8.5	8.9	105
SC	36	34	122	114	93
SD	140	137	420	416	99
TN	195	194	532	536	101
TX	388	387	1,440	1,453	101
UT	80	79	300	300	100
VT	164	164	592	603	102
VA	141	140	500	528	106
WA	232	237	1,049	1,069	102
WV	25	24	69	68	99
WI	1,754	1,748	6,006	6,075	101
WY	10.0	9.4	29.0	29.1	100
US <u>3/</u>	10,128	10,104	36,740	37,470	102

1/ Includes dry cows, excludes heifers not yet fresh. 2/ Excludes milk sucked by calves. 3/ Milk cows will not add due to rounding.

Preliminary Milk Cows and Milk Production, April-June

State	Apr-Jun Milk Cows <u>1/</u>		Apr-Jun Milk Production <u>2/</u>		1991
	1990	1991	1990	1991	As % Of 1990
	Thousands		Million Pounds		Percent
AL	41	41	139	138	99
AK	1.1	1.0	4.40	3.72	85
AZ	94	94	430	442	103
AR	69	68	213	211	99
CA	1,133	1,155	5,416	5,513	102
CO	77	77	336	341	101
CT	33	33	132	133	101
DE	8.9	9.2	30.9	33.1	107
FL	180	180	668	663	99
GA	110	108	366	376	103
HI	11.2	10.9	40.2	37.6	94
ID	177	179	747	759	102
IL	194	192	742	725	98
IN	155	149	586	606	103
IA	308	303	1,108	1,048	95
KS	99	98	310	310	100
KY	208	196	591	586	99
LA	82	79	248	245	99
ME	42	42	155	159	103
MD	102	103	349	356	102
MA	31	31	119	120	101
MI	345	343	1,335	1,352	101
MN	718	685	2,687	2,593	97
MS	62	62	203	197	97
MO	231	229	810	777	96
MT	24	24	81	87	107
NE	104	102	348	330	95
NV	20.0	19.0	86.0	81.7	95
NH	20	20	77	80	104
NJ	26	25	92	91	99
NM	79	94	398	488	123
NY	762	752	2,894	2,912	101
NC	100	99	389	395	102
ND	89	84	289	275	95
OH	341	337	1,184	1,195	101
OK	102	101	319	317	99
OR	98	100	419	429	102
PA	679	662	2,566	2,597	101
RI	2.3	2.3	8.9	9.0	101
SC	35	34	115	112	97
SD	140	137	451	444	98
TN	196	193	581	579	100
TX	383	383	1,437	1,442	100
UT	81	80	326	327	100
VT	162	163	610	621	102
VA	140	139	503	526	105
WA	237	236	1,132	1,138	101
WV	24	23	70	69	99
WI	1,747	1,740	6,454	6,430	100
WY	10.0	9.0	30.8	28.8	94
US <u>3/</u>	10,111	10,027	38,626	38,728	100

1/ Includes dry cows, excludes heifers not yet fresh. 2/ Excludes milk sucked by calves. 3/ Milk cows will not add due to rounding.

Grain and Other Concentrates
In Herds Kept by Reporters, July 1, by States

State	: Grain and Other Concentrates Fed Daily Per Milk Cow		: Value Per 100 Pounds of Concentrate Ration Fed to Milk Cows	
	: 1990	: 1991	: 1990	: 1991
	Pounds		Dollars	
AL	17.6	17.2	8.90	8.30
AK	17.0	18.0	13.75	13.50
AZ	22.0	22.0	7.40	7.10
AR	16.4	16.7	8.10	7.80
CA	20.5	19.0	8.00	7.65
CO	21.0	19.5	7.20	7.00
CT	16.3	15.3	9.75	8.90
DE	14.0	15.6	7.60	9.00
FL	32.0	28.0	7.60	7.10
GA	19.8	21.2	8.40	8.00
ID	17.1	17.1	6.80	6.80
IL	15.4	15.9	8.00	7.40
IN	16.9	16.6	7.70	7.75
IA	16.6	15.1	7.00	7.50
KS	18.0	21.0	7.05	7.45
KY	14.9	15.2	8.30	8.40
LA	17.0	17.5	8.40	8.05
ME	15.0	15.4	9.00	8.80
MD	15.7	16.1	9.00	8.70
MA	15.6	14.7	9.00	9.10
MI	17.0	17.5	7.20	6.60
MN	16.0	16.9	8.10	6.80
MS	15.5	16.5	8.60	8.00
MO	18.0	17.0	7.65	7.50
MT	15.0	16.0	7.00	6.90
NE	14.9	15.2	6.70	6.50
NV	16.0	23.0	8.50	7.80
NH	16.1	14.6	9.00	8.90
NJ	13.3	13.2	8.70	9.50
NM	24.0	24.0	6.20	6.60
NY	14.8	14.7	9.00	8.90
NC	17.9	16.4	9.30	8.30
ND	15.5	15.2	5.80	5.50
OH	15.1	17.0	8.00	8.30
OK	17.0	18.0	7.80	7.10
OR	16.6	17.0	8.90	9.00
PA	14.9	14.8	9.25	8.80
RI	15.6	15.2	9.75	8.90
SC	17.0	17.0	8.50	8.10
SD	14.4	14.8	6.30	6.50
TN	14.0	15.0	9.15	9.00
TX	20.8	21.6	7.90	7.40
UT	17.0	17.7	7.30	6.90
VT	14.3	13.7	9.00	9.00
VA	15.1	15.2	9.20	8.90
WA	18.4	19.5	8.10	8.00
WV	14.5	13.8	9.00	9.00
WI	15.6	16.6	8.15	7.35
WY	10.4	11.1	6.30	6.60
US	17.3	17.3	8.11	7.71

Milk Cows: Percent of Operations by Size Groups, 1989-90
Selected States, Regions, and US ^{1/}

State	Operations Having:							
	1-29 Head		30-49 Head		50-99 Head		100+ Head	
	1989	1990	1989	1990	1989	1990	1989	1990
Percent								
CA	44.7	42.2	3.0	3.1	7.7	8.0	44.7	46.7
FL	70.8	70.8	2/	2/	2/	2/	29.2	29.2
ID	50.8	45.9	12.7	12.7	18.8	19.1	17.7	22.3
IL	24.4	23.1	29.3	30.8	36.6	33.3	9.8	12.8
IN	62.3	60.0	13.6	16.0	20.8	19.0	3.4	5.0
IA	37.2	37.2	29.5	32.1	28.2	25.6	5.1	5.1
KY	53.6	53.8	22.9	21.5	18.6	18.5	5.0	6.2
MD	32.5	27.8	17.0	19.4	32.0	32.8	18.5	20.0
MI	34.3	30.8	22.9	26.1	28.6	27.7	14.3	15.4
MN	26.1	25.2	41.8	41.3	27.9	29.0	4.2	4.5
MO	59.9	55.0	15.9	17.5	20.0	22.5	4.2	5.0
NY	20.0	20.4	25.2	24.2	40.0	40.8	14.8	14.6
NC	62.2	57.0	6.0	7.0	16.0	15.5	15.8	20.5
OH	50.0	48.9	20.7	21.1	22.8	23.3	6.5	6.7
PA	31.5	31.0	32.1	32.9	29.1	28.4	7.3	7.7
TN	60.0	57.8	16.6	14.0	16.0	17.8	7.4	10.4
TX	63.7	62.6	3.8	4.1	10.8	10.5	21.7	22.8
VT	25.0	18.5	21.4	22.2	35.7	40.8	17.9	18.5
VA	58.3	56.7	8.3	7.3	19.1	20.0	14.3	16.0
WA	48.3	51.0	5.0	5.0	16.7	19.0	30.0	25.0
WI	23.5	23.3	37.9	37.0	31.8	32.7	6.8	7.0
Oth	61.0	60.1	12.2	12.1	16.5	16.7	10.3	11.1
US	42.2	42.0	23.1	23.0	24.4	24.3	10.3	10.7

1/ An operation is any place having one or more milk cows on hand during the year. Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on end-of-year surveys.

2/ Combined with other size groups.

Milk Cows: Percent of Inventory by Size Groups, 1989-90
Selected States, Regions, and US ^{1/}

State	Inventory on Operations Having:							
	1-29 Head		30-49 Head		50-99 Head		100+ Head	
	1989	1990	1989	1990	1989	1990	1989	1990
Percent								
CA	0.3	0.2	0.5	0.4	2.4	2.0	96.9	97.4
FL	0.8	0.6	2/	2/	2/	2/	99.2	99.4
ID	4.1	3.2	7.6	6.0	21.2	16.2	67.1	74.6
IL	3.6	3.6	20.5	21.0	50.3	41.0	25.6	34.4
IN	17.5	20.7	18.1	17.4	46.9	38.7	17.5	23.2
IA	12.0	13.2	27.9	28.2	42.9	40.4	17.2	18.2
KY	12.4	12.0	26.7	25.0	38.1	36.5	22.9	26.5
MD	4.7	4.6	11.3	12.1	34.9	33.3	49.1	50.0
MI	6.7	5.8	16.9	17.8	34.9	35.0	41.6	41.4
MN	10.3	10.0	36.6	35.9	39.7	40.0	13.3	14.1
MO	11.1	9.6	21.2	20.9	46.0	46.5	21.7	23.0
NY	3.8	3.6	15.9	15.5	42.3	42.6	38.0	38.3
NC	2.1	1.7	5.6	5.2	26.9	22.8	65.4	70.3
OH	16.9	16.2	18.1	17.6	40.1	41.2	24.9	25.0
PA	8.8	8.6	28.2	27.9	40.2	40.2	22.8	23.3
TN	20.0	15.4	17.4	12.8	29.7	28.7	32.8	43.1
TX	1.5	1.3	2.6	2.5	12.6	10.8	83.3	85.4
VT	3.0	2.4	13.8	13.4	39.5	41.5	43.7	42.7
VA	7.1	6.0	7.1	6.0	31.2	30.5	54.6	57.5
WA	2.0	3.0	2.1	2.0	15.8	17.8	80.1	77.2
WI	9.1	8.8	30.5	29.8	42.0	42.7	18.4	18.7
Oth	7.1	7.0	12.4	12.5	30.7	30.9	49.8	49.6
US	7.2	6.9	17.9	17.3	32.1	31.5	42.8	44.3

^{1/} Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on end-of-year surveys.
^{2/} Combined with other size groups.

Reliability of June 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.

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

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