

Milk Production



**United States
Department of
Agriculture**

Washington, D.C.

Released January 16, 1992, by the Agricultural Statistics Board.

December Milk Production

Milk production in the 21 major States during December totaled 10.4 billion pounds, 1 percent below production in these same States in December 1990. November revised production, at 9.90 billion pounds was 1 percent below November 1990.

Production per cow in the 21 major States averaged 1,242 pounds for December, 17 pounds above December 1990.

The number of cows on farms in the 21 major States was 8.36 million head, the same as November but 191 thousand less than December 1990.

During the October-December period, the 21 major States produced 30.5 billion pounds of milk, 84.3 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 12.1 billion for October, 11.7 billion pounds for November, and 12.3 billion for December.

October-December Milk Production

The quarterly production of milk for the U.S. was 36.1 billion pounds, down slightly from the October-December period last year. The average number of milk cows in the U.S. during the October-December quarter was 9.95 million head, 200,000 less than the same period last year.

Grain and Other Concentrates Fed

Grain and other concentrates fed to milk cows on January 1 1992, averaged 18.0 pounds, 0.4 pound more than on January 1, 1991.

Value of Grain and Other Concentrates

The value of grain and other concentrates fed to cows on January 1, 1992, averaged \$7.69 per hundredweight, \$0.15 less than the price on January 1, 1991.

For information, call Daniel Buckner (202) 720-4448. Office hours are 8:00 a.m. to 4:30 p.m. 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	10,020	3,820	3,855	38,626	38,630	100
Jul-Sep	10,119	9,967	3,620	3,641	36,632	36,286	99
Oct-Dec	10,151	9,951	3,575	3,631	36,285	36,135	100
Annual	10,127	10,011	14,642	14,835	148,284	148,522	100

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

Revised November 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	1,146	1,156	1,480	1,480	1,696	1,711	101
FL	182	176	1,120	1,100	204	194	95
ID	186	178	1,320	1,300	246	231	94
IL	197	187	1,140	1,190	225	223	99
IN	155	144	1,195	1,250	185	180	97
IA	302	303	1,130	1,130	341	342	100
KY	203	191	895	895	182	171	94
MD	105	104	1,075	1,075	113	112	99
MI	343	340	1,200	1,220	412	415	101
MN	700	675	1,100	1,120	770	756	98
MO	230	220	1,065	1,025	245	226	92
NY	776	756	1,125	1,155	873	873	100
NC	101	98	1,270	1,270	128	124	97
OH	340	335	1,025	1,050	349	352	101
PA	687	670	1,195	1,240	821	831	101
TN	196	197	900	890	176	175	99
TX	388	374	1,160	1,130	450	423	94
VT	164	165	1,160	1,175	190	194	102
VA	142	140	1,185	1,200	168	168	100
WA	238	235	1,475	1,525	351	358	102
WI	1,759	1,712	1,065	1,075	1,873	1,840	98
21 State:							
Total	8,540	8,356	1,171	1,185	9,998	9,899	99

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>		1991 as % of 1990
	1990	1991	1990	1991	1990	1991	
	-- 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	8,389	1,262	1,260	10,719	10,573	99
Jul	8,487	8,368	1,260	1,251	10,691	10,472	98
Aug	8,499	8,372	1,233	1,232	10,476	10,316	98
Sep	8,516	8,372	1,171	1,186	9,973	9,926	100
Oct	8,516	8,372	1,200	1,218	10,223	10,196	100
Nov	8,540	8,356	1,171	1,185	9,998	9,899	99
Dec	8,547	8,356	1,225	1,242	10,467	10,379	99
Annual	8,513	8,408	14,768	14,939	125,714	125,603	100

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

2/ Excludes milk sucked by calves.

Preliminary December 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	1,148	1,156	1,515	1,535	1,739	1,774	102
FL	185	179	1,220	1,240	226	222	98
ID	185	179	1,350	1,330	250	238	95
IL	195	189	1,180	1,250	230	236	103
IN	155	146	1,250	1,290	194	188	97
IA	302	302	1,140	1,090	344	329	96
KY	202	190	955	940	193	179	93
MD	107	102	1,120	1,125	120	115	96
MI	343	338	1,250	1,290	429	436	102
MN	695	675	1,190	1,215	827	820	99
MO	230	220	1,110	1,060	255	233	91
NY	775	755	1,205	1,240	934	936	100
NC	101	98	1,330	1,330	134	130	97
OH	341	330	1,065	1,090	363	360	99
PA	686	673	1,240	1,275	851	858	101
TN	196	196	920	910	180	178	99
TX	390	374	1,240	1,240	484	464	96
VT	164	165	1,220	1,245	200	205	103
VA	141	140	1,260	1,270	178	178	100
WA	241	238	1,525	1,575	368	375	102
WI	1,765	1,711	1,115	1,125	1,968	1,925	98
21 State: Total	8,547	8,356	1,225	1,242	10,467	10,379	99

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

2/ Excludes milk sucked by calves.

Revised Milk Cows and Milk Production, July-September

State	Jul-Sep Milk Cows <u>1/</u>		Jul-Sep Milk Production <u>2/</u>		1991
	1990	1991	1990	1991	as % of 1990
	----- Thousands -----		-- Million Pounds --		Percent
AL	42	40	113	109	96
AK	1.1	0.9	4.24	3.12	74
AZ	95	93	362	382	106
AR	69	68	199	198	99
CA	1,140	1,155	5,375	5,434	101
CO	77	77	335	337	101
CT	33	33	123	128	104
DE	9.0	9.3	30.4	33.5	110
FL	178	177	547	528	97
GA	112	104	321	302	94
HI	10.9	10.8	37.3	35.0	94
ID	181	177	786	777	99
IL	194	190	685	691	101
IN	154	145	559	546	98
IA	304	304	1,084	1,020	94
KS	99	97	305	295	97
KY	206	193	545	517	95
LA	80	80	212	216	102
ME	42	42	153	156	102
MD	102	102	331	342	103
MA	30	30	111	112	101
MI	345	342	1,344	1,342	100
MN	707	680	2,344	2,265	97
MS	61	60	168	163	97
MO	231	225	727	682	94
MT	24	24	86	87	101
NE	104	102	341	335	98
NV	20.0	19.0	82.0	84.7	103
NH	20	20	72	77	107
NJ	26	25	84	81	96
NM	85	95	395	500	127
NY	764	751	2,749	2,727	99
NC	100	97	360	346	96
ND	87	81	274	255	93
OH	340	336	1,113	1,103	99
OK	101	101	308	310	101
OR	99	100	418	431	103
PA	680	664	2,420	2,444	101
RI	2.2	2.2	8.2	8.2	100
SC	35	34	100	100	100
SD	140	136	428	409	96
TN	197	194	548	544	99
TX	383	377	1,278	1,211	95
UT	80	80	323	329	102
VT	163	164	582	585	101
VA	140	139	486	487	100
WA	240	237	1,130	1,139	101
WV	24	23	66	67	102
WI	1,751	1,720	6,147	5,984	97
WY	10.3	9.0	33.2	28.8	87
US <u>3/</u>	10,119	9,967	36,632	36,286	99

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, October-December

State	Oct-Dec Milk Cows <u>1/</u>		Oct-Dec Milk Production <u>2/</u>		1991 as % of 1990
	1990	1991	1990	1991	
	---- Thousands ----		-- Million Pounds --		Percent
AL	43	42	131	132	101
AK	1.1	0.8	3.81	2.84	75
AZ	96	95	412	436	106
AR	69	68	197	201	102
CA	1,146	1,156	5,197	5,259	101
CO	77	77	330	326	99
CT	33	34	126	131	104
DE	9.0	9.4	29.1	31.3	108
FL	182	177	619	600	97
GA	113	104	372	359	97
HI	11.0	10.5	34.9	32.7	94
ID	185	178	749	718	96
IL	196	188	685	690	101
IN	155	145	567	554	98
IA	302	303	1,032	1,019	99
KS	98	99	320	305	95
KY	202	191	559	524	94
LA	80	79	229	224	98
ME	41	41	149	153	103
MD	105	103	346	342	99
MA	30	30	114	113	99
MI	343	339	1,268	1,288	102
MN	698	677	2,364	2,341	99
MS	62	60	179	171	96
MO	230	221	747	693	93
MT	24	24	90	83	92
NE	103	100	331	330	100
NV	20.0	19.0	84.0	82.5	98
NH	20	20	76	80	105
NJ	25	25	86	86	100
NM	87	95	392	502	128
NY	773	755	2,708	2,715	100
NC	101	98	389	378	97
ND	85	79	264	241	91
OH	340	334	1,072	1,066	99
OK	100	99	305	304	100
OR	100	100	395	414	105
PA	686	672	2,487	2,536	102
RI	2.2	2.2	8.4	8.1	96
SC	34	33	109	102	94
SD	139	134	417	405	97
TN	196	196	536	536	100
TX	388	374	1,384	1,311	95
UT	80	78	318	312	98
VT	164	165	584	596	102
VA	142	140	515	515	100
WA	239	236	1,087	1,105	102
WV	24	23	65	66	102
WI	1,761	1,713	5,793	5,688	98
WY	10.2	8.9	30.0	27.6	92
US <u>3/</u>	10,151	9,951	36,285	36,135	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, January 1, by States

State	: Grain and Other Concentrates : Value Per 100 Pounds of Concentrate		: Fed Daily Per Milk Cow : Ration Fed to Milk Cows	
	1990	1991	1990	1991
	----- Pounds -----		----- Dollars -----	
AL	17.9	18.3	8.70	8.60
AK	19.0	17.0	13.00	13.00
AZ	24.2	21.1	7.40	6.90
AR	17.8	18.3	8.00	8.00
CA	20.0	19.0	7.85	7.30
CO	21.5	24.0	7.10	6.75
CT	16.8	16.8	8.80	8.90
DE	15.4	15.3	9.00	8.40
FL	25.0	26.6	7.50	7.10
GA	22.0	21.6	8.40	7.95
ID	18.0	16.7	6.60	6.40
IL	16.2	17.0	8.90	8.10
IN	17.1	18.0	7.50	7.60
IA	16.7	16.3	6.70	7.40
KS	20.9	20.4	7.30	7.65
KY	15.4	16.6	8.60	8.45
LA	18.1	17.5	8.31	8.20
ME	14.0	14.9	8.95	9.00
MD	15.9	15.4	8.80	8.60
MA	15.2	15.2	8.80	8.95
MI	17.0	17.5	7.00	6.90
MN	17.3	17.0	7.20	7.30
MS	17.5	16.8	8.50	8.00
MO	18.5	18.0	7.60	7.55
MT	15.0	17.0	6.95	7.20
NE	15.6	16.0	6.70	6.70
NV	22.0	21.0	7.70	7.60
NH	14.6	17.7	9.05	8.80
NJ	13.8	14.5	9.20	9.05
NM	25.0	24.0	6.80	6.40
NY	14.7	15.3	9.10	9.10
NC	18.3	17.9	9.05	8.65
ND	15.1	15.6	5.70	5.80
OH	16.3	16.6	7.90	8.20
OK	19.5	18.5	7.80	7.70
OR	16.5	17.0	9.00	8.70
PA	14.0	16.7	9.00	8.95
RI	16.0	16.3	9.05	9.20
SC	17.0	17.0	8.50	8.20
SD	15.1	15.0	6.10	6.30
TN	16.0	16.0	9.20	8.90
TX	22.2	23.2	7.60	7.70
UT	17.0	17.0	7.40	7.10
VT	14.0	14.8	8.90	8.95
VA	15.2	15.7	9.20	8.70
WA	19.6	20.0	8.15	8.00
WV	14.3	15.5	8.80	9.00
WI	16.9	17.7	7.20	7.00
WY	9.0	11.6	6.20	6.20
US	17.6	18.0	7.84	7.69

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 name 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 each of the remaining quarters. Generally, all larger producers and a sample of smaller 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, January 1, February 1, etc. Toward the end of the data collection period, statisticians review mail returns to ensure that each size group is adequately represented. If additional reports are needed in some size groups, statisticians obtain these by telephone.

Estimation Procedures: Each State statistician prepares their estimate by plotting estimates of cows milked and the rate per cow on time series charts. The individual State estimates are reviewed by the Agricultural Statistics Board for reasonableness.

Revision Policy: Estimates of milk production, rate per cow, and number of milk cows are subject to revision the following month for monthly States or the following quarter for 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 administrative data. In the event that some additional changes are necessary, a third revision is made in February the following year. Estimates are again reviewed after data are available from the five-year Census of Agriculture conducted by the Department of Commerce.

Reliability: Since all operations with dairy animals are not included in the sample, estimates 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.

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