

# Milk Production



National  
Agricultural  
Statistics  
Service

United States  
Department of  
Agriculture

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## August Milk Production

Milk production in the 21 major States during August totaled 10.3 billion pounds, 2 percent less than production in these same States in August 1990. July revised production, at 10.5 billion pounds was 2 percent below July 1990.

Production per cow in the 21 major States averaged 1,230 pounds for August, 3 pounds less than August 1990.

The number of cows on farms in the 21 major States was 8.38 million head, 11 thousand head more than July 1991 but 120 thousand less than August 1990.

During the April-June period, the 21 major States produced 32.7 billion pounds of milk, 84.7 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 12.2 billion pounds for August 1991.

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For information, call Daniel Buckner (202) 447-4448. Office hours are 7:30 a.m. to 4:00 p.m. ET.

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Milk Cows and Milk Production by Quarters, United States, 1990-91

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	10,104	3,627	3,708	36,740	37,470	102
Apr-Jun	10,111	10,019	3,820	3,855	38,626	38,622	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 July 1991 Milk Cows and Milk Production, by States, 1990-91

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	1,138	1,155	1,605	1,590	1,826	1,836	101
FL	178	178	1,090	1,050	194	187	96
ID	179	178	1,490	1,490	267	265	99
IL	193	191	1,210	1,215	234	232	99
IN	154	146	1,250	1,275	193	186	96
IA	307	305	1,220	1,130	375	345	92
KY	207	193	885	900	183	174	95
MD	101	101	1,090	1,130	110	114	104
MI	345	342	1,330	1,340	459	458	100
MN	710	680	1,160	1,150	824	782	95
MO	231	227	1,070	1,030	247	234	95
NY	755	746	1,250	1,240	944	925	98
NC	100	97	1,210	1,200	121	116	96
OH	340	337	1,130	1,140	384	384	100
PA	676	658	1,220	1,250	825	823	100
TN	197	193	930	940	183	181	99
TX	383	379	1,160	1,105	444	419	94
VT	163	163	1,210	1,210	197	197	100
VA	140	140	1,145	1,150	160	161	101
WA	240	238	1,610	1,630	386	388	101
WI	1,750	1,721	1,220	1,200	2,135	2,065	97
21 State:							
Total	8,487	8,368	1,260	1,251	10,691	10,472	98

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, 1990-91

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	8,418	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	8,379	1,233	1,230	10,476	10,304	98
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 August 1991 Milk Cows and Milk Production, by States, 1990-91

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	1,140	1,155	1,590	1,600	1,813	1,848	102
FL	178	178	1,010	990	180	176	98
ID	180	178	1,470	1,500	265	267	101
IL	193	191	1,190	1,230	230	235	102
IN	154	145	1,205	1,260	186	183	98
IA	302	311	1,210	1,070	368	333	90
KY	207	193	885	905	183	175	96
MD	102	101	1,100	1,140	112	115	103
MI	345	342	1,325	1,310	457	448	98
MN	705	680	1,110	1,110	783	755	96
MO	231	226	1,070	1,020	247	231	94
NY	765	753	1,195	1,200	914	904	99
NC	100	96	1,200	1,190	120	114	95
OH	341	336	1,100	1,100	375	370	99
PA	682	664	1,200	1,230	818	817	100
TN	198	194	930	940	184	182	99
TX	383	377	1,115	1,065	427	402	94
VT	163	164	1,190	1,175	194	193	99
VA	140	139	1,170	1,165	164	162	99
WA	240	237	1,590	1,615	382	383	100
WI	1,750	1,719	1,185	1,170	2,074	2,011	97
21 State:							
Total	8,499	8,379	1,233	1,230	10,476	10,304	98

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

## Reliability of August 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 insure 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 obtain adequate representation. If additional reports are needed in some size groups, dairymen are telephoned to obtain the information on their herd.

**Estimation Procedures:** Estimates were prepared by each state by plotting survey expansions an averages on time series charts. The data are reviewed by the Agricultural Statistics Board for reasonableness between states an check 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 check 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 operation 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 on half percent of the final estimate.

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The next "Milk Production" report will be released at 3:00 p.m. ET on October 16, 1991.