

# MARKETING SERVICE

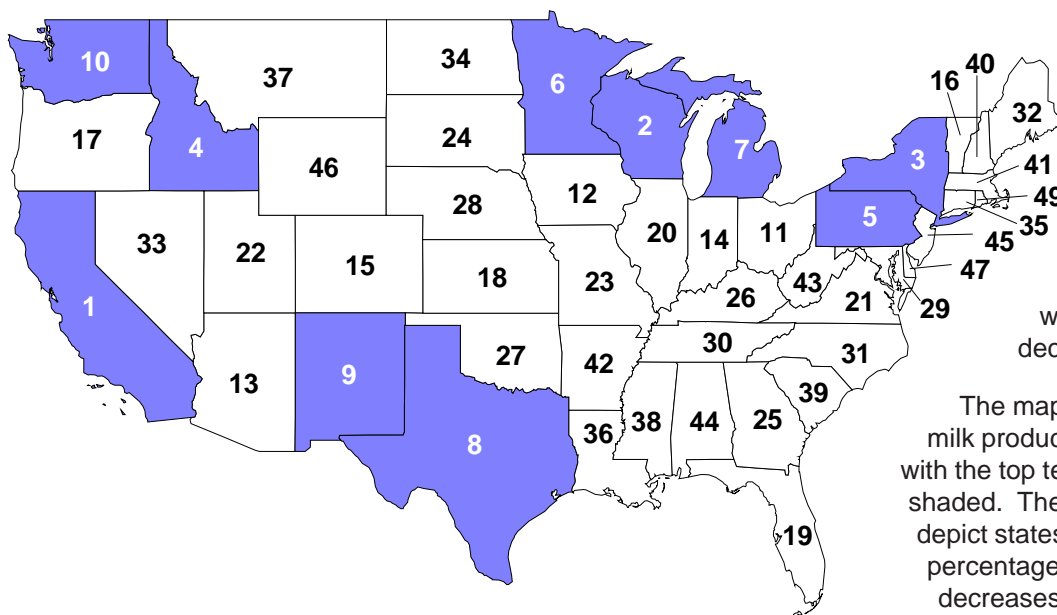
B U L L E T I N

## 2007 Milk Production

U.S. milk production during 2007 increased 2.1% compared with 2006, climbing to a record 185.6 billion pounds. The 2007 total is 3.8 billion pounds greater than the previous record of 181.8 billion pounds produced during 2006. Milk production has exceeded year earlier totals during ten of the last eleven years, with the lone exception occurring during 2001. Production in the U.S. has increased by 15.5 billion pounds over the past five years (2007 versus 2002), a gain of 9.1%.

Eighteen states registered annual milk production increases during 2007, with the percentage increases averaging 5.1% compared with 2006. South Carolina recorded the largest percentage gain, with milk production increasing 16.2%. Wyoming (+13.3%) was the only other state that registered a double-digit percentage increase in annual milk production. Five additional states recorded increases of five percent or more: South Dakota (+9.0%); Michigan (+6.8%); Arizona (+6.5%); Colorado (+6.2%); and Idaho (+5.9%). Conversely, 13 states reported annual decreases of five percent or more, with Hawaii's 37.7% decrease being the largest. Other states posting declines of more than five percent were Arkansas (-14.7%),

## 2007 Milk Production Ranking Top Ten States Highlighted



five percent were Arkansas (-14.7%), Louisiana (-11.9%), Alaska (-10.2%), Missouri (-8.8%), Massachusetts (-8.3%), Kansas (-8.3%), Montana (-5.9%), Mississippi (-5.8%), Oklahoma (-5.8%), New Jersey (-5.6%), North Dakota (-5.5%), and Maryland (-5.5%). In total, 32 states posted production decreases during 2007, with the percentage decreases averaging 5.5%.

The map on this page ranks milk production by state for 2007, with the top ten milk producing states shaded. The graphics on page 4 depict states with the largest percentage increases and decreases in milk production comparing 2007 with 2002.

Eighteen states recorded milk production increases comparing 2007 with 2002. The average percentage increase for these states was 22.8%, with seven states posting increases larger than the 18-state percentage average. These seven were Wyoming (+110.9%), Idaho (+41.6%), Texas (+39.2%), South Dakota (+27.3%), Indiana (+26.8%), Colorado (+25.2%), and Michigan (+24.2%). Other states to post double digit increases compared with 2002 were Arizona (+22.7%), California (+16.0%), New Mexico (+15.7%), Iowa (+12.5%), and Ohio (+11.3%).

Thirty-two states recorded production decreases between 2002 and 2007, with an average percentage decline of 19.3%. Fourteen of these states recorded decreases greater than the average percentage loss. These were:

Hawaii	-63.3%	Alaska	-50.2%	Arkansas	-44.0%	Louisiana	-39.7%
Mississippi	-32.2%	Massachusetts	-29.4%	Alabama	-28.9%	New Jersey	-28.8%
North Dakota	-25.1%	Delaware	-24.7%	Tennessee	-24.0%	Kentucky	-22.6%
Rhode Island	-21.0%	Maryland	-19.7%				

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## Annual Milk Production

### Top Five Dairy States

The graph at the right depicts annual milk production since 1992 for the nation's top five milk producing states. Four of the five recorded increases comparing 2007 with 2006, led by Idaho with a 5.9% gain. California (+4.8%) reported the second largest increase followed by Wisconsin (+2.9%), and New York (+0.5%). Pennsylvania (-0.6%) was the lone top five state to record a decrease during 2007. California and Idaho recorded production increases each year during this 15-year period. Comparing 2007 with 1992, California milk production increased by 84.2%, while Idaho's increased by 268.0%. New York (+4.5%) and Pennsylvania (+3.1%) also posted increases compared with 1992, while Wisconsin (-0.1%) recorded the lone decrease in milk production.

The map on page 6 provides a ranking of states based on 2007 milk production per cow. California, Idaho, Michigan, New Mexico, Texas, and Washington are states ranked in the top ten in both total milk production and production per cow. Idaho (22,513 lbs./cow) and California (22,440 lbs./cow) were the only top five milk producing states with production per cow above the 2007 national average of 20,267 pounds.

### 2007 Per Capita Milk Production

Per capita milk production is a data series presented annually in this Bulletin. A comparison of this series to per capita consumption data may reflect the

aggregate supply and demand balance for individual states and regions throughout the U.S. The table on page 7 details and compares per capita milk production by state for 2007, 2006, and 2002. This table lists the states in descending order based on 2007 per capita production. The states with per capita production of more than 600 pounds are inside the shaded area of the table. Seven of the top ten states in total production are also in the top ten in per capita production. These seven are California, Idaho, Minnesota, New Mexico, Pennsylvania, Washington, and Wisconsin.

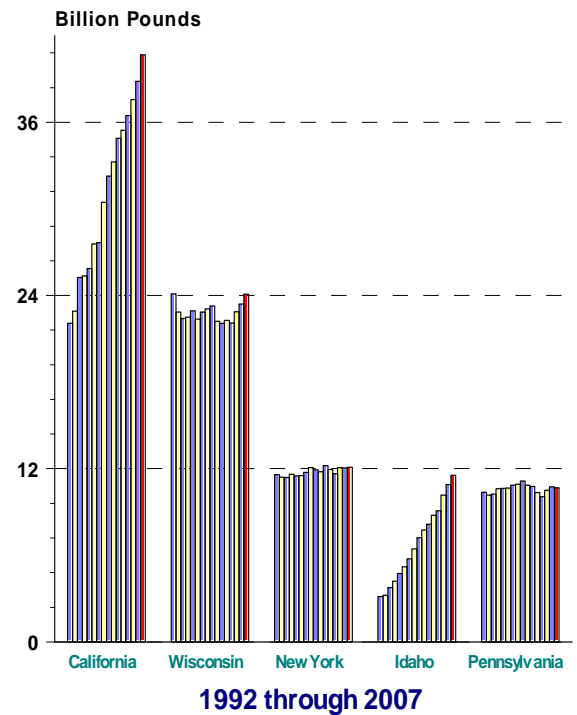
Data used in these calculations indicates that per capita production for 2007 was up 6.8 pounds (+1.1%) compared with 2006. Sixteen states reported annual per capita increases during 2007, the largest being South Carolina with a gain of 14.2%. Wyoming (+11.1%), South Dakota (+8.0%), and Michigan (+7.1%) were other states with an increase of five percent or greater. Hawaii recorded the largest per capita production decline during 2007, with a loss of 38.0%. Fourteen other states recorded decreases of five percent or more compared with 2006, with Arkansas (-15.5%), Louisiana (-12.9%), and Alaska (-11.0%) posting losses of more than 10%.

Per capita production for the U.S. increased by 24.8 pounds (+4.2%) between 2002 and 2007. Fifteen states recorded increases in per capita milk production, led by Wyoming's 101.2% gain. Nine other states increased per capita production by more than 10%, with Idaho (+26.9%) and Texas (+26.6%) posting per capita increases of 25% or more, comparing 2007 with 2002. Hawaii and Alaska recorded the largest decreases, with per capita production falling by 64.6% and 53.3%, respectively. Thirteen additional states posted declines of more than 20%, while 11 states reported decreases between 10 and 20%.

The map on the top of page 3 depicts per capita milk production by state for 2007. The 300 and 600 pound levels of per capita production are arbitrary divisions selected for this map. The 600 pound level approximates total annual per capita dairy consumption on a milk equivalent basis, while the 300 pound level reflects average annual consumption of Class I and Class II products (fluid and soft manufactured products), plus reserve requirements. A cursory analysis of regional milk supply conditions can be performed by examining the shading patterns prevalent in the individual regions.

The map at the bottom of page 3 displays the percentage change in per capita milk production by state between 2002 and 2007. The data represented by this map reflects changes in production combined with population changes. The graphics on page 5 depict the states with the largest percentage increases and decreases from 2002 to 2007.

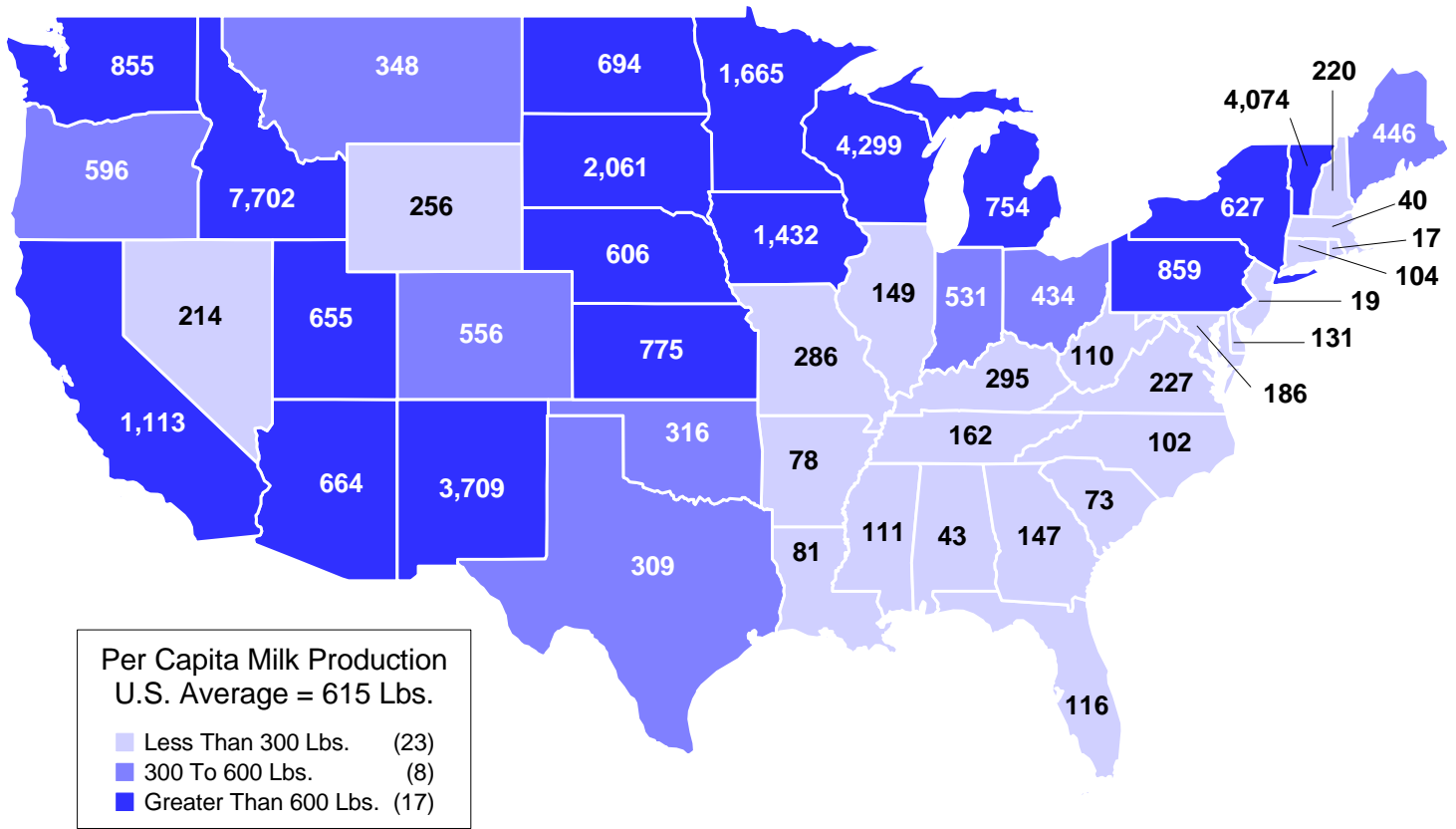
The graph on page 6 provides a ranking of the top five milk producing states in total milk production, production per cow, and production per capita. The graph on the last page of this Bulletin depicts milk production per capita for the U.S. over the last 28 years.



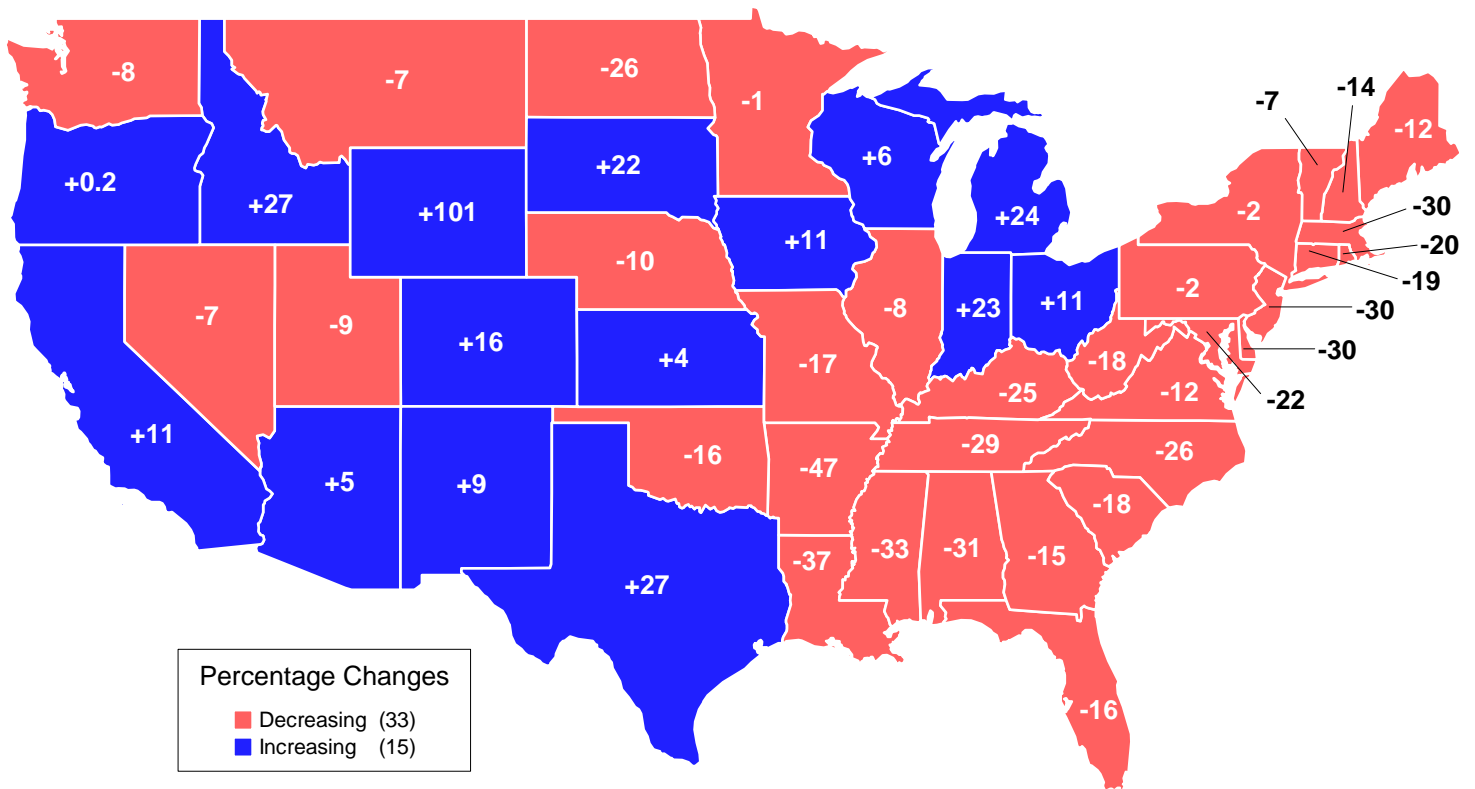
### Percentage of 2007 U.S. Totals

	U.S. Milk Production	U. S. Population Estimate
California	21.92	12.12
Wisconsin	12.97	1.86
New York	6.52	6.40
Idaho	6.22	0.50
Pennsylvania	5.76	4.12
<b>5-State Total</b>	<b>53.39</b>	<b>25.00</b>

# 2007 Per Capita Milk Production



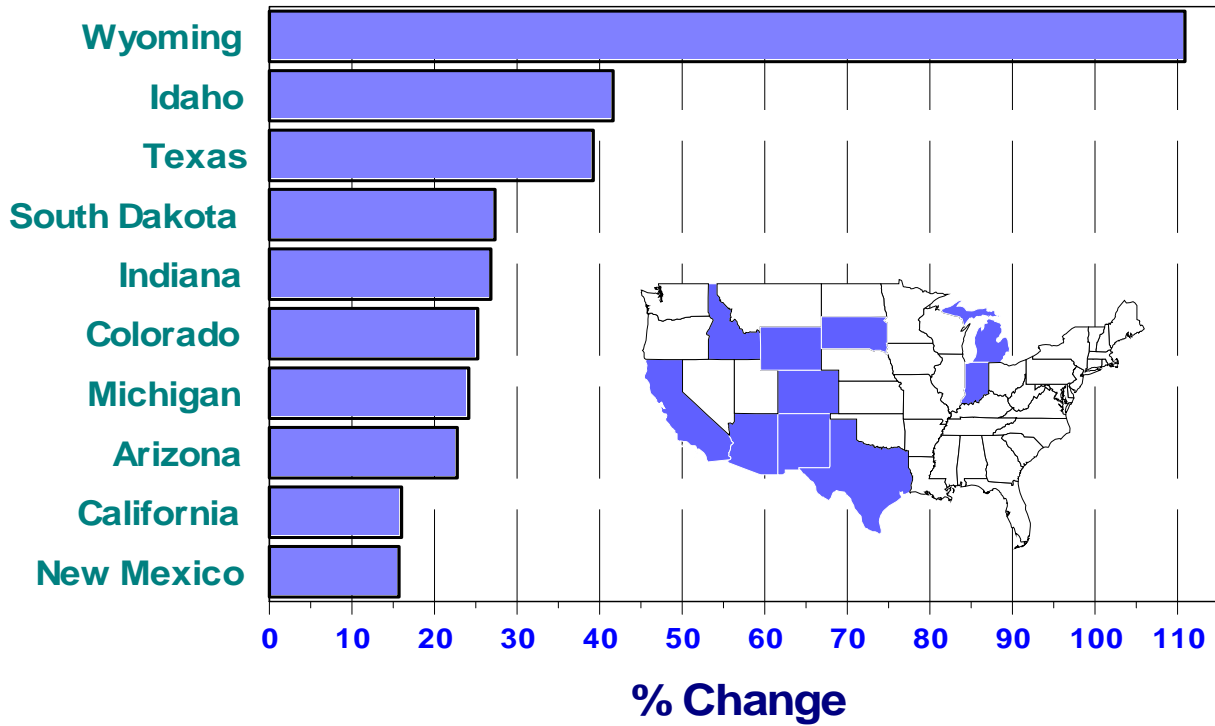
# Percent Change In Per Capita Milk Production 2007 vs 2002



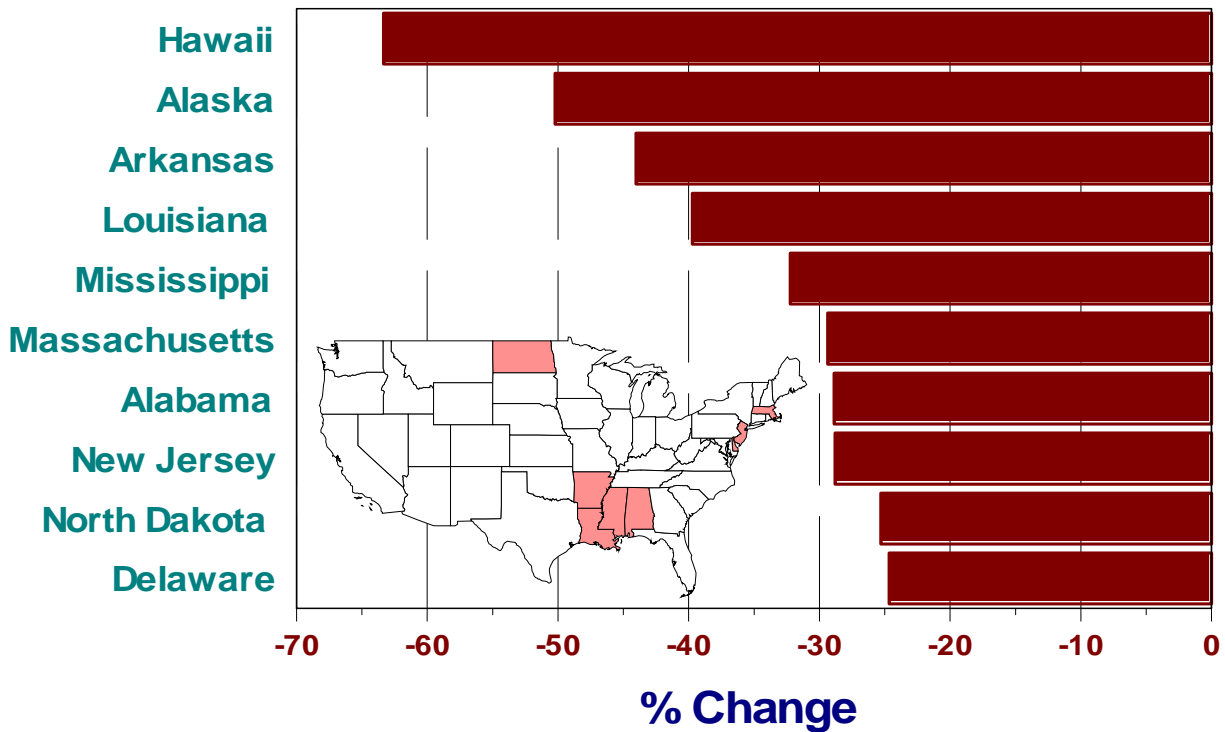
# Milk Production: 2007 vs 2002

U.S. Average = +9.1%

## Largest Production Increases



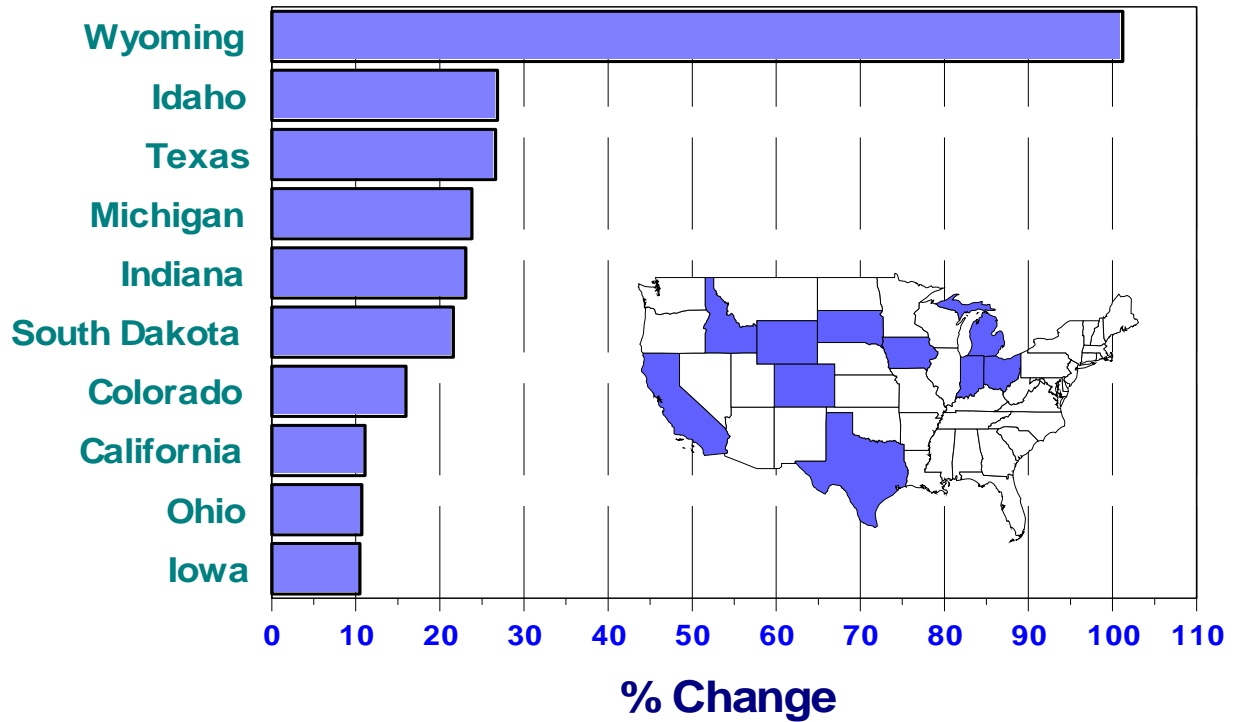
## Largest Production Decreases



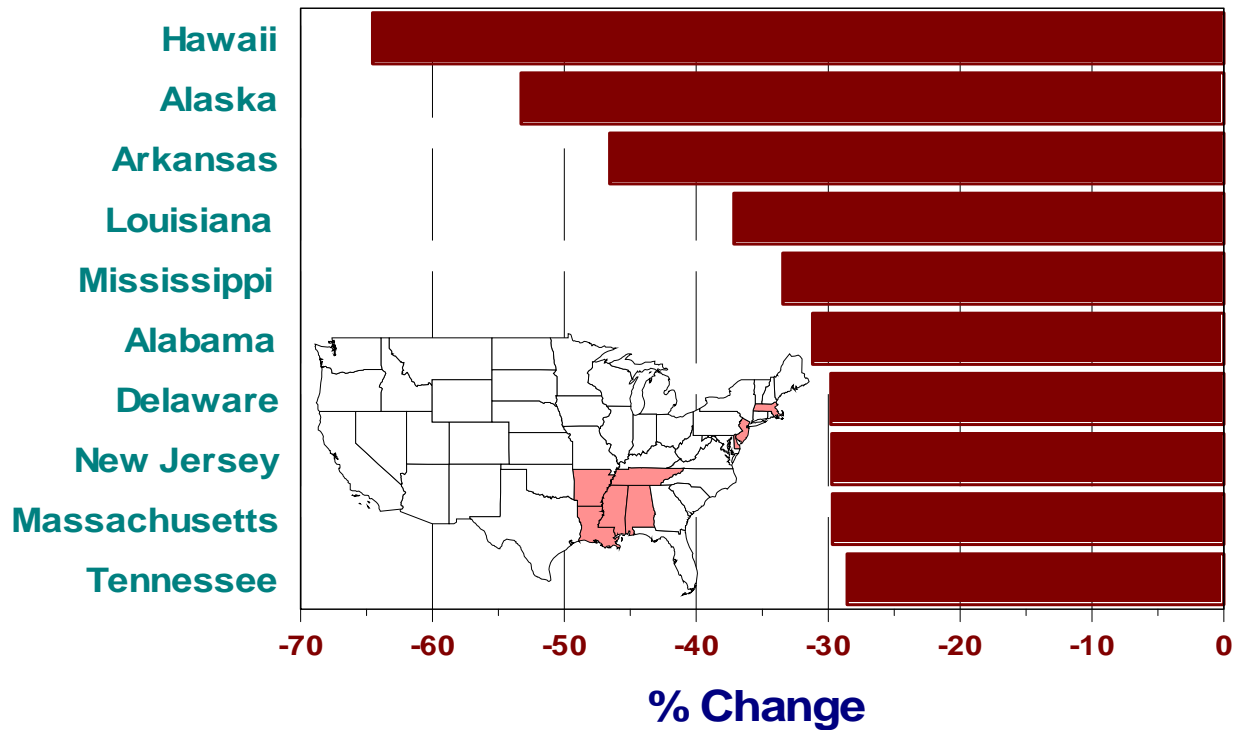
# Per Capita Milk Production: 2007 vs 2002

U.S. Average = +4.2%

## Largest Per Capita Increases



## Largest Per Capita Decreases





# Per Capita Milk Production

2007 versus 2006 & 2002 - By State

States	Per Capita Milk Production			Change In Per Capita Milk Production			
	2007	2006	2002	2007 vs 2006		2007 vs 2002	
				Pounds	Percent	Pounds	Percent
1 Idaho	7,702.4	7,449.4	6,071.7	253.0	3.4	1,630.7	26.9
2 Wisconsin	4,298.7	4,198.7	4,058.0	100.0	2.4	240.7	5.9
3 Vermont	4,074.0	4,175.4	4,385.1	-101.4	-2.4	-311.1	-7.1
4 New Mexico	3,708.8	3,928.3	3,410.3	-219.5	-5.6	298.5	8.8
5 South Dakota	2,061.0	1,908.8	1,695.1	152.2	8.0	365.9	21.6
6 Minnesota	1,665.4	1,623.8	1,683.3	41.6	2.6	-17.9	-1.1
7 Iowa	1,431.7	1,388.0	1,295.7	43.7	3.1	136.0	10.5
8 California	1,113.0	1,071.2	1,001.8	41.8	3.9	111.2	11.1
9 Pennsylvania	859.2	866.1	874.0	-6.9	-0.8	-14.8	-1.7
10 Washington	855.1	857.1	926.3	-2.0	-0.2	-71.2	-7.7
11 Kansas	774.9	850.9	748.6	-76.0	-8.9	26.3	3.5
12 Michigan	754.4	704.3	609.4	50.1	7.1	145.0	23.8
13 North Dakota	694.1	737.3	935.5	-43.2	-5.9	-241.4	-25.8
14 Arizona	664.2	641.3	630.4	22.9	3.6	33.8	5.4
15 Utah	654.7	677.3	718.5	-22.6	-3.3	-63.8	-8.9
16 New York	627.2	624.7	638.5	2.5	0.4	-11.3	-1.8
17 Nebraska	605.8	633.9	675.5	-28.1	-4.4	-69.7	-10.3
18 Oregon	595.9	607.4	594.5	-11.5	-1.9	1.4	0.2
19 Colorado	556.2	534.4	479.7	21.8	4.1	76.5	15.9
20 Indiana	531.3	519.9	431.7	11.4	2.2	99.6	23.1
21 Maine	445.6	436.5	506.6	9.1	2.1	-61.0	-12.0
22 Ohio	434.3	424.0	392.2	10.3	2.4	42.1	10.7
23 Montana	347.6	373.9	374.6	-26.3	-7.0	-27.0	-7.2
24 Oklahoma	316.3	339.3	374.5	-23.0	-6.8	-58.2	-15.5
25 Texas	308.7	305.2	243.8	3.5	1.1	64.9	26.6
26 Kentucky	294.7	309.9	394.6	-15.2	-4.9	-99.9	-25.3
27 Missouri	285.5	315.2	343.2	-29.7	-9.4	-57.7	-16.8
28 Wyoming	255.7	230.1	127.1	25.6	11.1	128.6	101.2
29 Virginia	227.3	231.8	259.5	-4.5	-1.9	-32.2	-12.4
30 New Hampshire	220.4	223.4	257.4	-3.0	-1.3	-37.0	-14.4
31 Nevada	214.4	218.3	231.1	-3.9	-1.8	-16.7	-7.2
32 Maryland	186.0	197.4	238.7	-11.4	-5.8	-52.7	-22.1
33 Tennessee	162.3	172.7	227.1	-10.4	-6.0	-64.8	-28.5
34 Illinois	149.2	155.2	163.0	-6.0	-3.9	-13.8	-8.5
35 Georgia	146.6	150.3	172.1	-3.7	-2.5	-25.5	-14.8
36 Delaware	130.7	133.7	186.1	-3.0	-2.2	-55.4	-29.8
37 Florida	115.7	120.2	138.3	-4.5	-3.7	-22.6	-16.3
38 Mississippi	111.0	118.7	166.7	-7.7	-6.5	-55.7	-33.4
39 West Virginia	109.8	110.6	134.6	-0.8	-0.7	-24.8	-18.4
40 Connecticut	104.2	105.0	129.2	-0.8	-0.8	-25.0	-19.3
41 North Carolina	101.6	106.4	136.9	-4.8	-4.5	-35.3	-25.8
42 Louisiana	81.3	93.3	129.4	-12.0	-12.9	-48.1	-37.2
43 Arkansas	77.6	91.8	145.2	-14.2	-15.5	-67.6	-46.6
44 South Carolina	73.1	64.0	88.7	9.1	14.2	-15.6	-17.6
45 Alabama	42.6	44.2	61.8	-1.6	-3.6	-19.2	-31.0
46 Massachusetts	39.5	43.2	56.2	-3.7	-8.6	-16.7	-29.7
47 Hawaii	27.7	44.6	78.0	-16.9	-37.9	-50.3	-64.5
48 New Jersey	19.3	20.5	27.5	-1.2	-5.8	-8.2	-29.8
49 Rhode Island	17.1	17.9	21.4	-0.8	-4.5	-4.3	-20.1
50 Alaska	12.9	14.5	27.6	-1.6	-11.1	-14.7	-53.3
<b>U.S. Totals</b>	<b>615.3</b>	<b>608.5</b>	<b>590.5</b>	<b>6.8</b>	<b>1.1</b>	<b>24.8</b>	<b>4.2</b>

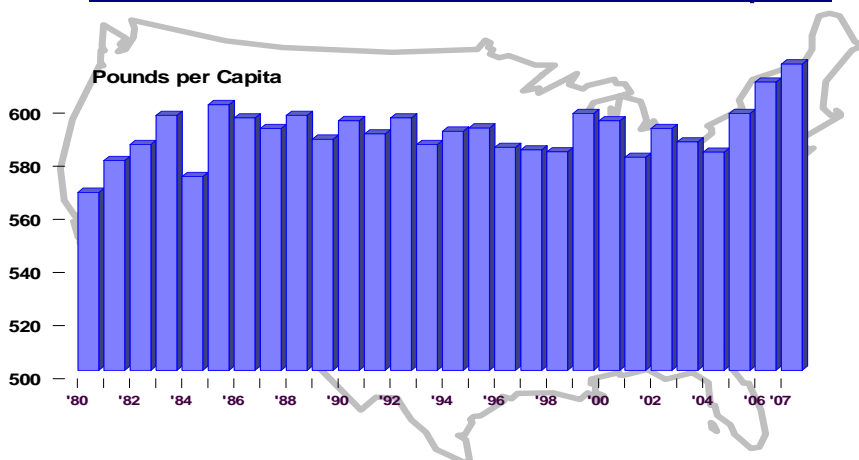
**Data Sources:**

**Milk Production :** Milk Production, February 2008, National Agricultural Statistics Service, Agriculture Statistics Board, USDA.  
**Population :** U.S. Census Bureau, Department of Commerce. (July 1st population estimates for each year.)



	Statistical Uniform Price		Producer Price Differential		Class I Utilization	
	<u>1/2008</u>	<u>12/2007</u>	<u>1/2008</u>	<u>12/2007</u>	<u>1/2008</u>	<u>12/2007</u>
Northeast	21.11	21.59	1.79	0.99	44.10	45.38
Appalachian	22.60	22.37	-----	-----	72.50	68.22
Florida	23.80	23.44	-----	-----	82.62	82.22
Southeast	22.46	22.44	-----	-----	66.56	66.18
Upper Midwest	19.70	20.65	0.38	0.05	15.60	15.55
<b>Central</b>	<b>19.71</b>	<b>20.36</b>	<b>0.39</b>	<b>-0.24</b>	<b>34.73</b>	<b>40.63</b>
Mideast	20.25	20.64	0.93	0.04	38.87	40.40
Pacific Northwest	19.39	20.30	0.07	-0.30	34.37	32.91
Southwest	20.70	21.01	1.38	0.41	44.77	54.15
Arizona	19.72	20.82	-----	-----	36.22	35.91

### U.S. Milk Production Per Capita



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